

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 17, 2005, 17:23:27 ; Search time 2446.54 Seconds
(without alignments)
11060.388 Million cell updates/sec

Title: US-09-996-630A-11

Perfect score: 4165
Sequence: 1 Gtctaaagagtgttaagacc.....acatatgtgttcagcaat 4165

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 14632570

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

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22: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq.*
24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4165	100.0	4165	10	US-09-873-367C-95
2	4165	100.0	4165	21	US-10-843-641A-95
3	4163.4	100.0	5519	14	US-10-097-340-136
4	4163.4	100.0	5519	16	US-10-354-358-69
5	4138.2	99.4	4176	18	US-10-425-114-26289
6	4094.8	98.3	4543	13	US-10-098-841-173
7	3622.6	87.0	4772	17	US-10-311-034-47

Sequence 242, App	3276	76.2	3174.6	8	US-09-925-302-242	9	US-09-925-302-242	Sequence 242, App
Sequence 242, App	3276	76.2	3174.6	9	US-09-925-302-242	10	US-09-925-302-242	Sequence 242, App
Sequence 2237, Ap	1768	23.1	962.4	10	US-10-108-260A-2237	17	US-10-108-260A-2237	Sequence 2237, Ap
Sequence 23795, A	502	10.9	454.4	11	US-09-918-995-23795	502	US-09-918-995-23795	Sequence 23795, A
Sequence 4185, Ap	505	9.8	409.6	12	US-09-969-034-4185	505	US-09-969-034-4185	Sequence 4185, Ap
Sequence 3627, Ap	369	8.9	369	9	US-09-867-701-3627	369	US-09-867-701-3627	Sequence 3627, Ap
Sequence 122, App	396	7.7	320	13	US-09-969-347-122	396	US-09-969-347-122	Sequence 122, App
Sequence 1703, Ap	396	7.7	320	14	US-09-880-107-1703	396	US-09-880-107-1703	Sequence 1703, Ap
Sequence 8251, Ap	396	7.7	320	15	US-10-843-641A-8251	396	US-10-843-641A-8251	Sequence 8251, Ap
Sequence 7412, Ap	336	7.0	291.8	17	US-09-867-701-7412	336	US-09-867-701-7412	Sequence 7412, Ap
Sequence 12452, A	599	6.7	277.8	18	US-10-972-079-12452	599	US-10-972-079-12452	Sequence 12452, A
Sequence 2420, Ap	1747	6.6	273.8	19	US-10-764-420-2420	1747	US-10-764-420-2420	Sequence 2420, Ap
Sequence 1795, Ap	387	5.7	238.4	20	US-10-264-049-1795	387	US-10-264-049-1795	Sequence 1795, Ap
Sequence 114670, Sequence 2184, Ap	532	5.5	228.8	21	US-10-425-115-114670	532	US-10-425-115-114670	Sequence 114670, Sequence 2184, Ap
Sequence 2596, Ap	337	4.6	190.8	22	US-09-783-590-2184	337	US-09-783-590-2184	Sequence 2596, Ap
Sequence 2596, Ap	106	1.8	75.2	23	US-10-242-535A-2596	106	US-10-242-535A-2596	Sequence 2596, Ap
Sequence 8, Appli	534	1.6	65.4	25	US-10-085-783A-2596	534	US-10-085-783A-2596	Sequence 8, Appli
Sequence 12181, A	78	1.2	51.4	26	US-10-398-877-8	78	US-10-398-877-8	Sequence 12181, A
Sequence 1, Appli	3673778	1.2	51.2	27	US-09-783-590-12181	3673778	US-09-783-590-12181	Sequence 1, Appli
Sequence 63, Appl	51	1.2	51	20	US-10-312-841-1	51	US-10-312-841-1	Sequence 63, Appl
Sequence 138, App	14551	1.2	50.8	28	US-10-865-478-63	14551	US-10-865-478-63	Sequence 138, App
Sequence 2147, Ap	113515	1.2	50.4	30	US-10-240-485-138	113515	US-10-240-485-138	Sequence 2147, Ap
Sequence 788, App	50	1.2	50	17	US-10-311-455-2147	50	US-10-311-455-2147	Sequence 788, App
Sequence 618, App	5415	1.2	50	15	US-10-131-827-788	5415	US-10-131-827-788	Sequence 618, App
Sequence 10, Appl	594	1.2	49.8	14	US-10-123-155-10	594	US-10-123-155-10	Sequence 10, Appl
Sequence 10, Appl	594	1.2	49.8	15	US-10-146-731-10	594	US-10-146-731-10	Sequence 10, Appl
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Sequence 10, Appl	594	1.2	49.8	15	US-10-141-761-10	594	US-10-141-761-10	Sequence 10, Appl
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Sequence 10, Appl	594	1.2	49.8	17	US-10-140-923-10	594	US-10-140-923-10	Sequence 10, Appl
Sequence 10, Appl	594	1.2	49.8	17	US-10-141-756-10	594	US-10-141-756-10	Sequence 10, Appl
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Sequence 10, Appl	594	1.2	49.8	17	US-10-140-864-10	594	US-10-140-864-10	Sequence 10, Appl
Sequence 10, Appl	594	1.2	49.8	18	US-10-142-426-10	594	US-10-142-426-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1

US-09-873-367C-95
; Sequence 95, Application US/09873367C
; Publication No. US20030165839A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; APPLICANT: Soppet, Daniel
; APPLICANT: Endress, Gregory
; APPLICANT: Augustus, Meena
; APPLICANT: Ebner, Reinhard
; APPLICANT: Carter, Kenneth
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; FILE REFERENCE: 689290-64
; CURRENT APPLICATION NUMBER: US/09/873,367C
; PRIOR FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,891
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,842
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/244,867
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: U.S. 60/245,084
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 1067
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 95
; LENGTH: 4165
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-873-367C-95

Query Match		100.0%;	Score 4165;	DB 10;	Length 4165;		
Best Local Similarity		100.0%;	Pred. No. 0;				
Matches 4165; Conservative		0;	Mismatches	0;	Indels	0;	Gaps
		0;					
QY	1	GTCTAAAGAGTGTAAAGACCTTAATACAGCGATGCTACAGAGAGATCCCAAGAGAAGGGC	60				
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QY	61	TTCTTTAGAGAGATTTGAAAATCATCTTGGCTTCAGGGAGTGGACCTTTACACAGCTAC	120				
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QY	121	AAAGTATAACATTTCCCTTGTGTATACAAAAATCTCTCGGAAGAGAGGACACAAAGCAT	180				
Db	121	AAAGTATAACATTTCCCTTGTGTATACAAAAATCTCTCGGAAGAGAGGACACAAAGCAT	180				
QY	181	CATTTCAGCGCATGGTCTTGGGGACATAGCGGATCGAGACGCCATTTGTAGAGCCCTCGA	240				
Db	181	CATTTCAGCGCATGGTCTTGGGGACATAGCGGATCGAGACGCCATTTGTAGAGCCCTCGA	240				
QY	241	AACCAACAGGTATAACCATATATACAGCCACATATCTTCTGCTGGCTGAAAGGATCCTGAG	300				
Db	241	AACCAACAGGTATAACCATATATACAGCCACATATCTTCTGCTGGCTGAAAGGATCCTGAG	300				
QY	301	AGAAAAGCAAGAAAAGAAATACAGACCAGATCTGCAAGCCGAGCAATATCAAGGCCCA	360				
Db	301	AGAAAAGCAAGAAAAGAAATACAGACCAGATCTGCAAGCCGAGCAATATCAAGGCCCA	360				
QY	361	GTTTAGGCACTCATGCGCAACCAAAATTTGATGTACCCAGGACCTTTGAGGATGACCTCAC	420				
Db	361	GTTTAGGCACTCATGCGCAACCAAAATTTGATGTACCCAGGACCTTTGAGGATGACCTCAC	420				
QY	421	GGCCACTCTTTGTCCACGCGACTGTCCCTCAGTCTCTGCTCGGCTGCTGACAGTGT	480				
Db	421	GGCCACTCTTTGTCCACGCGACTGTCCCTCAGTCTCTGCTCGGCTGCTGACAGTGT	480				
QY	481	CCTCAATGGCCACAGGAGCAAGGCCCTGTGTGATCAGCTTAAGAAAGATGACCTCCCTGA	540				
Db	481	CCTCAATGGCCACAGGAGCAAGGCCCTGTGTGATCAGCTTAAGAAAGATGACCTCCCTGA	540				
QY	541	GTTCGGCTGGACAGCACTCTCTACGGTGGCCACCGCAAGCTTAAACCCACAGCCAGTGG	600				
Db	541	GTTCGGCTGGACAGCACTCTCTACGGTGGCCACCGCAAGCTTAAACCCACAGCCAGTGG	600				
QY	601	CGGGAAGTGTCTTTCAGGGTGAAGAAGATGAAGAGGAGATGAGAGGACAAAGAAC	660				
Db	601	CGGGAAGTGTCTTTCAGGGTGAAGAAGATGAAGAGGAGATGAGAGGACAAAGAAC	660				
QY	661	CATGTCCCTCTCAACACAGTGTGTTTGGCCGGAAGCCATCTGTAACCAACCGCCTGAC	720				
Db	661	CATGTCCCTCTCAACACAGTGTGTTTGGCCGGAAGCCATCTGTAACCAACCGCCTGAC	720				
QY	721	ATCCAGGAAGTGGCGCCGTCTCAACAGATCTTTGAGGAAGGGGAATCTCATATGA	780				
Db	721	ATCCAGGAAGTGGCGCCGTCTCTCAACAGATCTTTGAGGAAGGGGAATCTCATATGA	780				
QY	781	GTTCATCATGGATGAGAAATCGCTCCCAAGTTGAGCAGGTTAAAGATGAATATAGCTTC	840				
Db	781	GTTCATCATGGATGAGAAATCTGCCTCCCAAGTTGAGCAGGTTAAAGATGAATATAGCTTC	840				
QY	841	TCCAGGTACAGTTTCAAAAACGCTTACCCAGGAGAAAGTTCAGGGCCGGGCTCCAGCTG	900				
Db	841	TCCAGGTACAGTTTCAAAAACGCTTACCCAGGAGAAAGTTCAGGGCCGGGCTCCAGCTG	900				
QY	901	CAGTAGTTTCGAGACCAAGTATGATGATTTCTGAAAGCCGCGCGCTCATATAAGATAG	960				
Db	901	CAGTAGTTTCGAGACCAAGTATGATGATTTCTGAAAGCCGCGCGCTCATATAAGATAG	960				
QY	961	CGGGTTCACTACTCTTGGCAACGACGGGATAGCAGCGGGGCCCTTGGCAGTGAAGG	1020				
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Db	1021	GGATGCGGGGGCCAGAGCAAGCCGAGCAATGCCAGTGGAGGGGTGGACAAAGCCAGCCC	1080
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Db	1141	TACATCGGGTACCAACGCGGCTGTGCGGGCCCGAGCAACTCCATGACGCTGGCCTCTCG	1200
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Db	1201	CAGTGTCTGGGAGCTCGTTGAGAGCTCAAACTCATGAGCCTCTGCTCGGCTCCAGCT	1260
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Db	1261	TCATGGGAGCACCAAGTACATTTATGATCCACAGAAATGGCTTGTCTATTTTCCAGTGA	1320
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QY	1621	TCAGACAGTGAAGACCGGCTCACTTCACTGTTCATTTGGTTTAACTATTTTAAAGTGG	1680
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QY	1681	GGTTAGGAGCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA	1740
Db	1681	GGTTAGGAGCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA	1740
QY	1741	GGTCTTTGTGCGCATGTCTAGACACTTTTCTTCCAGCGGAAAGCCCTATTATGTAAT	1800
Db	1741	GGTCTTTGTGCGCATGTCTAGACACTTTTCTTCCAGCGGAAAGCCCTATTATGTAAT	1800
QY	1801	TTTACATTCATAATTTTAAATTTGATGATGATGATGATGATGATGATGATGATGATGATG	1860
Db	1801	TTTACATTCATAATTTTAAATTTGATGATGATGATGATGATGATGATGATGATGATGATG	1860
QY	1861	TCTTATAATGAGGACCTTTAGAAAATTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	1920
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QY	1921	TGCTTTTCTTTGTGAAAAATCTGAATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1980
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QY	1981	GGCTCTGAGACACACTCTCTGGTGTCTGAGACAGAAACCAAGCAATAAAGTGTGTGATG	2040
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QY	2041	CACAGCGCTGGAGCCAGCTAGCGACCTTGTGGCGCCAGCTGTCCATGGCCCTGGCAGAG	2100
Db	2041	CACAGCGCTGGAGCCAGCTAGCGACCTTGTGGCGCCAGCTGTCCATGGCCCTGGCAGAG	2100

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DB 2101 CAGAGGACAGTGTGCTGCACTGAGAACTTAAACCAAGTGAACATACCCACACT 2160
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DB 2161 GTTTGTCTTAAGCTATAGTGTAAACCAAGTGTGGCTCTGAAATTTAACTGAAAG 2220
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DB 2221 ATTTCTCTTTTGTGTAATAGGTGAGATAAAGTACTTATAGATTTATAGGCGAGCTTCCCT 2280
QY 2281 GTAGTGATAAATTTACAGCAGACAACTTATTTTGTATGTGATGAAGTATGCTTT 2340
DB 2281 GTAGTGATAAATTTACAGCAGACAACTTATTTTGTATGTGATGAAGTATGCTTT 2340
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QY 2401 CTTTCTGTAGGCGACACTGCAGGATTTCCATGTAGATAGAGAACTATAGGCGCTAGTAC 2460
DB 2401 CTTTCTGTAGGCGACACTGCAGGATTTCCATGTAGATAGAGAACTATAGGCGCTAGTAC 2460
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QY 2581 TTGGCTCAGCTAGCTTTGAAATTTGGCTGATGAAAAATATACATAAAGGGTAAAAATTC 2640
DB 2581 TTGGCTCAGCTAGCTTTGAAATTTGGCTGATGAAAAATATACATAAAGGGTAAAAATTC 2640
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DB 2641 CACATACAGCAACAAATGCAACAAAGCTGCTTGTAACTTTTCTGAAATGTT 2700
QY 2701 TTTTCACTTTGCTTTTTCGCCAAACAAATAACAAAGACTCTGCTTTTAACTATTC 2760
DB 2701 TTTTCACTTTGCTTTTTCGCCAAACAAATAACAAAGACTCTGCTTTTAACTATTC 2760
QY 2761 TGTACAAAGACTGTTTTTGACAGATAATCATCTGTTGTGGCAATCTATCTGTAGGACA 2820
DB 2761 TGTACAAAGACTGTTTTTGACAGATAATCATCTGTTGTGGCAATCTATCTGTAGGACA 2820
QY 2821 CTGTATATTGCAAAATTTGCTGATTTAGAGGGGCCAGTTGCTGTTTTTTCATGCGTGC 2880
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DB 3121 ATTTTCAAGTATCTTAACTAAAGTAAAAATGATCTTAAATATCTTATTTTACTTT 3180
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DB 3421 CAGCTGTTTTTCCAAAGCAGTGAATATCTTTTCTGTGATTATGTATAGCTTTGGAATGG 3480
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DB 3481 CACCTTTTAACTAACCCATATGTTTGGTTTCAATGGTTTTTATATTAGATGATAT 3540
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DB 3601 CTTATTAGTTGTGTGTTGACCCCTTGGGGTATACAAATGTCAGTCTGAGTGGTCTTTAC 3660
QY 3661 TCTTTTGTATTAAGTGAATGATTTGTCATGTTTGTATGTCTATAGTATGTCGTACATA 3720
DB 3661 TCTTTTGTATTAAGTGAATGATTTGTCATGTTTGTATGTCTATAGTATGTCGTACATA 3720
QY 3721 AAAGGAGGAGGCGGAAAAACCATTAATTAAGATAATTTGGAACCAACTTACTTACTTGC 3780
DB 3721 AAAGGAGGAGGCGGAAAAACCATTAATTAAGATAATTTGGAACCAACTTACTTACTTGC 3780
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DB 3781 TCTTAAACAGTTACTTCTGACCCCTTAACTGCTTCAAAAGTTGTCATATAGTTACAGTAGT 3840
QY 3841 GTATAAATTAATTTTGTGAAAAACAGTCTTTGTATTTTCTGTATGTGTGTATATATAT 3900
DB 3841 GTATAAATTAATTTTGTGAAAAACAGTCTTTGTATTTTCTGTATGTGTGTATATATAT 3900
QY 3901 ATAAATTTATGTTCTTGGCAATTTCTATCTGTTTAAAGATGTGACAACTTGTGACACCAA 3960
DB 3901 ATAAATTTATGTTCTTGGCAATTTCTATCTGTTTAAAGATGTGACAACTTGTGACACCAA 3960
QY 3961 TTTTAAAGATAGCTGTGAGACCGAATTTAAAGATAATCCCTACCAAGTGAATAATTTGATGTG 4020
DB 3961 TTTTAAAGATAGCTGTGAGACCGAATTTAAAGATAATCCCTACCAAGTGAATAATTTGATGTG 4020
QY 4021 TGTAAAGAGGGTACAGAAATTTCACTGATTTTGGTCAGTTTGTCTTCAATGTCTGTTGATT 4080
DB 4021 TGTAAAGAGGGTACAGAAATTTCACTGATTTTGGTCAGTTTGTCTTCAATGTCTGTTGATT 4080
QY 4081 TCCCTCATTTGTGTAACATTTGACAGTATGTGCAAAATGGGAAAAAATAATTCAGAAATA 4140
DB 4081 TCCCTCATTTGTGTAACATTTGACAGTATGTGCAAAATGGGAAAAAATAATTCAGAAATA 4140
QY 4141 AAGTGTACATATTTGTTTCCAGCAAT 4165
DB 4141 AAGTGTACATATTTGTTTCCAGCAAT 4165

RESULT 2

US-10-843-641A-95

; Sequence 95, Application US/10843641A

; Publication No. US20050064454A1

; GENERAL INFORMATION:

APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 95
; LENGTH: 4165
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-95

Query Match		100.0%;	Score 4165;	DB 21;	Length 4165;
Best Local Similarity		100.0%;	Pred. No. 0;		
Matches 4165;		Conservative	0;	Mismatches	0;
				Indels	0;
				Gaps	0;
Qy	1	GTCTAAAGAGTGTAAGACCTTAATTACAGCGATGCTACAGAGAGATCCCAAGAGAAGGGC	60		
Db	1	GTCTAAAGAGTGTAAGACCTTAATTACAGCGATGCTACAGAGAGATCCCAAGAGAAGGGC	60		
Qy	61	TTCTTTTAGAAGACATTGAAATCATCTTGGCTTCAGGGAGTGACCCCTTCCACGACTAC	120		
Db	61	TTCTTTTAGAAGACATTGAAATCATCTTGGCTTCAGGGAGTGACCCCTTCCACGACTAC	120		
Qy	121	AAAGTATAACATTCCCTCTTGTGTATACAAAAATCTCTCGAAGAGGAGCACAAACAGCAT	180		
Db	121	AAAGTATAACATTCCCTCTTGTGTATACAAAAATCTCTCGAAGAGGAGCACAAACAGCAT	180		
Qy	181	CATTACAGCGCATGGTCTGGGAGACATAGCGGATCGAGAGCCCATTTGTAGAAGCCCTGGA	240		
Db	181	CATTACAGCGCATGGTCTGGGAGACATAGCGGATCGAGAGCCCATTTGTAGAAGCCCTGGA	240		
Qy	241	AACCAACAGGTATAACCATATACAGCCACATATCTCTGCTGGCTGAAAGGATCCTGAG	300		
Db	241	AACCAACAGGTATAACCATATACAGCCACATATCTCTGCTGGCTGAAAGGATCCTGAG	300		
Qy	301	AGAAAAAGCAGAGAAAGAAATACAGACCAGATCTGCAAGCCCGAGCAATATCAAGGCCCA	360		
Db	301	AGAAAAAGCAGAGAAAGAAATACAGACCAGATCTGCAAGCCCGAGCAATATCAAGGCCCA	360		
Qy	361	GTTTAGGCAGTCATGGCCCAACCAAAATTGATGTACCCAGGACCTTTGAGGATGACCTCAC	420		
Db	361	GTTTAGGCAGTCATGGCCCAACCAAAATTGATGTACCCAGGACCTTTGAGGATGACCTCAC	420		
Qy	421	GGCCACTCTCTTGTCCACGCGACTGTCCCTCAGTCTCTGCTCGGCTGCTCAGCAGTGT	480		
Db	421	GGCCACTCTCTTGTCCACGCGACTGTCCCTCAGTCTCTGCTCGGCTGCTCAGCAGTGT	480		
Qy	481	CCTCAATGGCCACAGAGCAAAAGCCCTGTGTGACTCAGCTTAAGAAAGATGACCTCCCTGA	540		
Db					

Db	481	CCTCAATGGCCACAGAGCAAAAGCCCTGTGTGACTCAGCTAAGAAAGATGACCTCCCTGA	540		
Qy	541	GTTTGCTGGACCAAGCAGCTCTCTACGGTGCACCCGCAAGCTTTAAACCCACAGCCAGTGG	600		
Db	541	GTTTGCTGGACCAAGCAGCTCTCTACGGTGCACCCGCAAGCTTTAAACCCACAGCCAGTGG	600		
Qy	601	GGCGAAAGTGTCTGTTCAGGGTGGAAAGATGAAGAGGAAGATGAGGAGCAAGAACC	660		
Db	601	GGCGAAAGTGTCTGTTCAGGGTGGAAAGATGAAGAGGAAGATGAGGAGCAAGAACC	660		
Qy	661	CATGTCCCTCTCAACACAAAGTGGTTTGGCCGGAAGCCATCTGTAAACCAAGCCCTGAC	720		
Db	661	CATGTCCCTCTCAACACAAAGTGGTTTGGCCGGAAGCCATCTGTAAACCAAGCCCTGAC	720		
Qy	721	ATCCAGGAAGAGTGGCCCGTCTCAACCCAGATCTTTGAGGAAGGGGAATCTGATGATGA	780		
Db	721	ATCCAGGAAGAGTGGCCCGTCTCTCAACCCAGATCTTTGAGGAAGGGGAATCTGATGATGA	780		
Qy	781	GTTTGACATGATGAGAATCTGCCTCCCAAGTTGAGCAGGTTAAAGATGAATATAGCTTC	840		
Db	781	GTTTGACATGATGAGAATCTGCCTCCCAAGTTGAGCAGGTTAAAGATGAATATAGCTTC	840		
Qy	841	TCAGGTACAGTTTCAAAACGCTACCAACCGAGGAAGTCAAGGCCGGGGCTCCAGCTG	900		
Db	841	TCAGGTACAGTTTCAAAACGCTACCAACCGAGGAAGTCAAGGCCGGGGCTCCAGCTG	900		
Qy	901	CAGTAGTTCGGAGACAGTGATGATGATTTCTGAAAGCCGGCGGCTCGATAAAGATAG	960		
Db	901	CAGTAGTTCGGAGACAGTGATGATGATTTCTGAAAGCCGGCGGCTCGATAAAGATAG	960		
Qy	961	CGGGTTTCACTTACTCTCTGCAACCGAGGATAGCAGAGGGGGCCCCCTGGCAGTGAGG	1020		
Db	961	CGGGTTTCACTTACTCTCTGCAACCGAGGATAGCAGAGGGGGCCCCCTGGCAGTGAGG	1020		
Qy	1021	GGATGGCGGGGCGAGCAAGCCGAGCAATGCCAGTGAGGGGTGGACAAGGCCAGCCC	1080		
Db	1021	GGATGGCGGGGCGAGCAAGCCGAGCAATGCCAGTGAGGGGTGGACAAGGCCAGCCC	1080		
Qy	1081	CAGTGAGAACATGCTGGTGGGGGAGTCCCTCCAGCGCTCGGGTGGCAACCCCAACCAA	1140		
Db	1081	CAGTGAGAACATGCTGGTGGGGGAGTCCCTCCAGCGCTCGGGTGGCAACCCCAACCAA	1140		
Qy	1141	TACATCGGGTACCAACGCGCTGTGTCGGGCCCGAGCAACTCCATGACGTGCGCTCTCG	1200		
Db	1141	TACATCGGGTACCAACGCGCTGTGTCGGGCCCGAGCAACTCCATGACGTGCGCTCTCG	1200		
Qy	1201	CAGTGTGGGAGCTCGTTGAGAGCCTCAAACTCATGAGCCTTGCTCGGCTCCAGCT	1260		
Db	1201	CAGTGTGGGAGCTCGTTGAGAGCCTCAAACTCATGAGCCTTGCTCGGCTCCAGCT	1260		
Qy	1261	TCATGGGAGCACCAAGTACATTTATGATCCACAGAAATGGCTGTCAATTTCCAGTGTGAA	1320		
Db	1261	TCATGGGAGCACCAAGTACATTTATGATCCACAGAAATGGCTGTCAATTTCCAGTGTGAA	1320		
Qy	1321	AGTCCAAGAGAAATCTACCTGGAAATATGTCATTTAGCTCCACAGGAAATGACGGCAGGT	1380		
Db	1321	AGTCCAAGAGAAATCTACCTGGAAATATGTCATTTAGCTCCACAGGAAATGACGGCAGGT	1380		
Qy	1381	CCCTGAGTGGGGGATATAAGTTTTTCTTGACCAATGGCAGATACCAACCACTGAAT	1440		
Db	1381	CCCTGAGTGGGGGATATAAGTTTTTCTTGACCAATGGCAGATACCAACCACTGAAT	1440		
Qy	1441	GGAAACGATAAAGAGCAAGAACTGAAAAATTAACGTGCTGAGTACCTCTGTGCGAAAA	1500		
Db	1441	GGAAACGATAAAGAGCAAGAACTGAAAAATTAACGTGCTGAGTACCTCTGTGCGAAAA	1500		
Qy	1501	GACCAATCTCTGTGAACATCCAGCGGAAACCTTAAGAGGGGCTGCTGTGGCATCCAGCCC	1560		
Db	1501	GACCAATCTCTGTGAACATCCAGCGGAAACCTTAAGAGGGGCTGCTGTGGCATCCAGCCC	1560		
Qy	1561	AGCCAGCTGTGCCATGTCTGACTGTGGCCCATCTGGCCGCTAGCACGCTTCTCTGC	1620		
Db	1561	AGCCAGCTGTGCCATGTCTGACTGTGGCCCATCTGGCCGCTAGCACGCTTCTCTGC	1620		

Qy	1621	TCAGAGCAGTGAAGACCGGCTCACTTCACTGTTCCTATTTGGTTTTTACTATTTTAAAGTGG	1680
Db	1621	TCAGAGCAGTGAAGACCGGCTCACTTCACTGTTCCTATTTGGTTTTTACTATTTTAAAGTGG	1680
Qy	1681	GC GTTTAGGAGCAATTTATTTATTAACCTTTCCATTTGTTGGCTGATGATGTGCAATGCAT	1740
Db	1681	GC GTTTAGGAGCAATTTATTTATTAACCTTTCCATTTGTTGGCTGATGATGTGCAATGCAT	1740
Qy	1741	GGTCTTTGTGCATCTGTAGACACTTTTCTTTCCAGCCGAAAGCCTATTATGTAAATT	1800
Db	1741	GGTCTTTGTGCATCTGTAGACACTTTTCTTTCCAGCCGAAAGCCTATTATGTAAATT	1800
Qy	1801	TTTACATTCATAATTTTAAATGTGCATCATCAGGATTAATTCAGATATATATCTGGAACC	1860
Db	1801	TTTACATTCATAATTTTAAATGTGCATCATCAGGATTAATTCAGATATATATCTGGAACC	1860
Qy	1861	TCTTTATAAATGGAGCACTTAGAANAATTTGTTGTTCTGCACCTTAACCTAGAGAGAGAAAAA	1920
Db	1861	TCTTTATAAATGGAGCACTTAGAANAATTTGTTGTTCTGCACCTTAACCTAGAGAGAGAAAAA	1920
Qy	1921	TGCTTTTCTTTGTGAAAAAATCTGAATTCCTGTCTCGACCTTCTGTGATGTGGAACCCCTA	1980
Db	1921	TGCTTTTCTTTGTGAAAAAATCTGAATTCCTGTCTCGACCTTCTGTGATGTGGAACCCCTA	1980
Qy	1981	GGCTCTGAGACACACTCTCTGTGTCTGAGACAGAACCAAGCAATTAACGTTGTGATGCC	2040
Db	1981	GGCTCTGAGACACACTCTCTGTGTCTGAGACAGAACCAAGCAATTAACGTTGTGATGCC	2040
Qy	2041	CACAGGCTTGAGCCAGCTAGCGACCTTGTGCGCCCGACGTGTCCATGGCCCGTCGACAG	2100
Db	2041	CACAGGCTTGAGCCAGCTAGCGACCTTGTGCGCCCGACGTGTCCATGGCCCGTCGACAG	2100
Qy	2101	CAGAGCAGTGAAGTGTCTGCATGAGAACCTTTAAACCAACAGTTGAACATACCCACACCT	2160
Db	2101	CAGAGCAGTGAAGTGTCTGCATGAGAACCTTTAAACCAACAGTTGAACATACCCACACCT	2160
Qy	2161	GTTTGTCTTAAAGCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAATTTAACTGAAAAG	2220
Db	2161	GTTTGTCTTAAAGCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAATTTAACTGAAAAG	2220
Qy	2221	ATTTCCCTTGTTTTTGTAATAGGTGAGATAAAGTACTTTAGATTTTATAGGCAGCTTCCCT	2280
Db	2221	ATTTCCCTTGTTTTTGTAATAGGTGAGATAAAGTACTTTAGATTTTATAGGCAGCTTCCCT	2280
Qy	2281	GTAGTGATAAATTAACAGCAGACAATCTTATTTTGTAAATGTGATGAAGTGAATGTCTT	2340
Db	2281	GTAGTGATAAATTAACAGCAGACAATCTTATTTTGTAAATGTGATGAAGTGAATGTCTT	2340
Qy	2341	AACTCTACTTTAGAGAGTGTATGTCTGTCTAACAGAACAAAGAGTCTCTGTGTAAATTC	2400
Db	2341	AACTCTACTTTAGAGAGTGTATGTCTGTCTAACAGAACAAAGAGTCTCTGTGTAAATTC	2400
Qy	2401	CTTCTCTGAGGCCACACTGCAGGATTTCCATGTAGATAGAAGAACTATAGGCCTTAGTAC	2460
Db	2401	CTTCTCTGAGGCCACACTGCAGGATTTCCATGTAGATAGAAGAACTATAGGCCTTAGTAC	2460
Qy	2461	AGAAAGTGACACAAAATGTTGGCAAGTCAAAACCCCATGAATTTAAACCTTACTGGAAATTT	2520
Db	2461	AGAAAGTGACACAAAATGTTGGCAAGTCAAAACCCCATGAATTTAAACCTTACTGGAAATTT	2520
Qy	2521	GGTTTTTATAGAGTTTGGTAAATTAGATATATCTCTTTTGTATTATTTCAATTCAGTTATATCCT	2580
Db	2521	GGTTTTTATAGAGTTTGGTAAATTAGATATATCTCTTTTGTATTATTTCAATTCAGTTATATCCT	2580
Qy	2581	TTGGCTCAGCTAGCTTTTGAAATTTGGCTGTAGCAAAAAATATACATAAAGGGTAAAAATTC	2640
Db	2581	TTGGCTCAGCTAGCTTTTGAAATTTGGCTGTAGCAAAAAATATACATAAAGGGTAAAAATTC	2640
Qy	2641	CACATACAGCAAAACAAAATGTGCACAAAGCCTGCTTCGTAACTTTTTTTCTGGAATGTT	2700
Db	2641	CACATACAGCAAAACAAAATGTGCACAAAGCCTGCTTCGTAACTTTTTTTCTGGAATGTT	2700

Qy	2701	TTTCACTTTGGCTTTTCTGCCAAAACAATAATCAAGAAACTCTCTGCTTTAAACCTATTCC	2760
Db	2701	TTTCACTTTGGCTTTTCTGCCAAAACAATAATCAAGAAACTCTCTGCTTTAAACCTATTCC	2760
Qy	2761	TGTACAAGACTGTTTTGTACACAGATAAATCATCTGTGTGGCACTTCTATCTCTGTAGACA	2820
Db	2761	TGTACAAGACTGTTTTGTACACAGATAAATCATCTGTGTGGCACTTCTATCTCTGTAGACA	2820
Qy	2821	CTGTATATTGCAAAATGCTGATTATGGAAGGGGCCAGTTGCTGCTGTTTTTTCATCGAGTGCC	2880
Db	2821	CTGTATATTGCAAAATGCTGATTATGGAAGGGGCCAGTTGCTGCTGTTTTTTCATCGAGTGCC	2880
Qy	2881	CTGGAGTCTTTAAAGCAGTGCTTTAGCAACATTTGGTGATAGCATGTGGCTGGGACCCAGG	2940
Db	2881	CTGGAGTCTTTAAAGCAGTGCTTTAGCAACATTTGGTGATAGCATGTGGCTGGGACCCAGG	2940
Qy	2941	GCCCTTCCCACACTTTTCAGCCCCGAGTCACTGCTGTGAGGTGACGCACTGAGACGCATCT	3000
Db	2941	GCCCTTCCCACACTTTTCAGCCCCGAGTCACTGCTGTGAGGTGACGCACTGAGACGCATCT	3000
Qy	3001	GGTCTCTGTAATTCAGAGAGTGGGCACATCACCAAAGAACTGCAATGCTGTGGTCACTGTT	3060
Db	3001	GGTCTCTGTAATTCAGAGAGTGGGCACATCACCAAAGAACTGCAATGCTGTGGTCACTGTT	3060
Qy	3061	TCTTCAAGTACACACTGACTCTGCTACTTTAGGATAAATATATTTTACTCAGAACTCTGA	3120
Db	3061	TCTTCAAGTACACACTGACTCTGCTACTTTAGGATAAATATATTTTACTCAGAACTCTGA	3120
Qy	3121	ATTTCACAGTATACTTTACTTAACTAAGTAAAAATGATACCTTAAAACTATTATTTTACTTT	3180
Db	3121	ATTTCACAGTATACTTTACTTAACTAAGTAAAAATGATACCTTAAAACTATTATTTTACTTT	3180
Qy	3181	CTAGACCTAGGCTAGATGTTTTAAAGCTACAGCTCTAGTTTCATTGTGATATTTATAATTTG	3240
Db	3181	CTAGACCTAGGCTAGATGTTTTAAAGCTACAGCTCTAGTTTCATTGTGATATTTATAATTTG	3240
Qy	3241	AAAGCTATGAGAAATAGATGTGGGTGAAGCCATAGAACATATTTCTTGAAATTTCTGA	3300
Db	3241	AAAGCTATGAGAAATAGATGTGGGTGAAGCCATAGAACATATTTCTTGAAATTTCTGA	3300
Qy	3301	GCAGGATCTTATAAAGGGCCAGAAATAGATGTGGTTTCACATAGATAGTCAGCGTAA	3360
Db	3301	GCAGGATCTTATAAAGGGCCAGAAATAGATGTGGTTTCACATAGATAGTCAGCGTAA	3360
Qy	3361	CATCTGTATTTAAACATAGGAGAGAAGTTTATAAAGGGCATTTGGCAATAAACTCTTTGTTG	3420
Db	3361	CATCTGTATTTAAACATAGGAGAGAAGTTTATAAAGGGCATTTGGCAATAAACTCTTTGTTG	3420
Qy	3421	CAGCTGTTTTTCCAAGCAGTGTAATAACTTTTTCTCTGTGATTATGTATAGCCTTTGGAATGG	3480
Db	3421	CAGCTGTTTTTCCAAGCAGTGTAATAACTTTTTCTCTGTGATTATGTATAGCCTTTGGAATGG	3480
Qy	3481	CACCTTTTAATCAACCATATGTGTTTGGTTTCAATGGTTTTTTTATATTACAGATGTATAT	3540
Db	3481	CACCTTTTAATCAACCATATGTGTTTGGTTTCAATGGTTTTTTTATATTACAGATGTATAT	3540
Qy	3541	ATGGTGCTCACTTTTAGGATCAGCAGTGTGACCATTTATGCTGCATAGCTGTATTATAGC	3600
Db	3541	ATGGTGCTCACTTTTAGGATCAGCAGTGTGACCATTTATGCTGCATAGCTGTATTATAGC	3600
Qy	3601	CTTATTAGTTGTGTGTTGACCCCTTGGGGTATACAAATGTCAGTCTGAGTGGTGTCTTAC	3660
Db	3601	CTTATTAGTTGTGTGTTGACCCCTTGGGGTATACAAATGTCAGTCTGAGTGGTGTCTTAC	3660
Qy	3661	TCCTTTGTTTATAAGTGAATGATGTGCAATGTTTTGTATGTGCATAGTATGTCGTACATA	3720
Db	3661	TCCTTTGTTTATAAGTGAATGATGTGCAATGTTTTGTATGTGCATAGTATGTCGTACATA	3720
Qy	3721	AAAGGGGGGAGCGAAAACCATTAATTAAAGATAATTTGGACCAAACTACTTACTTGC	3780
Db	3721	AAAGGGGGGAGCGAAAACCATTAATTAAAGATAATTTGGACCAAACTACTTACTTGC	3780
Qy	3781	TCTAAACAGTTACTTGTACCCCTTAACTGTCCTTTCAAAAGTTTGCAATATAGTTACAGTAGT	3840

Db 3781 TCTAAACAGTTACTGTGACCCCTTAACCTGTCTTCAAAAGTTGCAATATAGTTACAGTACT 3840
Qy 3841 GTATAAATTAAATATTTGTGGAAAAACAGTCTTGATTTTCTGTATGTGTATATATAT 3900
Db 3841 GTATAAATTAAATATTTGTGGAAAAACAGTCTTGATTTTCTGTATGTGTATATATAT 3900
Qy 3901 ATAAATATGTACTTCTGGCAATCTCTATCTGTATTTAAAGATGTGACAACTTTGACACCAA 3960
Db 3901 ATAAATATGTACTTCTGGCAATCTCTATCTGTATTTAAAGATGTGACAACTTTGACACCAA 3960
Qy 3961 TTTTAAAGATAGCTGTGAGACCGAAATTAAGATAATCCCTACCAAGTGAATAATGATGTG 4020
Db 3961 TTTTAAAGATAGCTGTGAGACCGAAATTAAGATAATCCCTACCAAGTGAATAATGATGTG 4020
Qy 4021 TGTAAAGAGGTACAGAAATTAACAATGATTTGGTCAGTTGCTTCCAATGCTGGTTGAT 4080
Db 4021 TGTAAAGAGGTACAGAAATTAACAATGATTTGGTCAGTTGCTTCCAATGCTGGTTGAT 4080
Qy 4081 TCCTCATTTGTGTAACATTTGACAGGTATGTGACAAATGGGAAAAAAATCCAAATAATA 4140
Db 4081 TCCTCATTTGTGTAACATTTGACAGGTATGTGACAAATGGGAAAAAAATCCAAATAATA 4140
Qy 4141 AAGTGACATATTTGGTGTTCAGCAAT 4165
Db 4141 AAGTGACATATTTGGTGTTCAGCAAT 4165

RESULT 3
US-10-097-340-136
; Sequence 136, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVAPURU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISSEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 136
; LENGTH: 5519
; TYPE: DNA

i ORGANISM: Homo sapiens
US-10-097-340-136
Query Match 100.0%; Score 4163.4; DB 14; Length 5519;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4164; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 GTCTAAAGAGTCTAAAGACCTAATACACGGATGCTACAGAGAGATCCCAAGAGAAGGCG 60
Db 1355 GTCTAAAGAGTCTAAAGACCTAATACACGGATGCTACAGAGAGATCCCAAGAGAAGGCG 1414
Qy 61 TTCTTTTAAAGAGATTTGAAAATCATCTTGGCTTCAGGGAGTGGACCCCTTCACCGACTAC 120
Db 1415 TTCTTTTAAAGAGATTTGAAAATCATCTTGGCTTCAGGGAGTGGACCCCTTCACCGACTAC 1474
Qy 121 AAAGTATAACATTCCTCTTGTCTATACAAAATCTCTCGGAAGAGGAGACCAACAGCAT 180
Db 1475 AAAGTATAACATTCCTCTTGTCTATACAAAATCTCTCGGAAGAGGAGACCAACAGCAT 1534
Qy 181 CATTCAGCGCATGGTGTCTTGGGGACATAGCGGATCGAGACGCCATTTGTAGAAAGCCCTGGA 240
Db 1535 CATTCAGCGCATGGTGTCTTGGGGACATAGCGGATCGAGACGCCATTTGTAGAAAGCCCTGGA 1594
Qy 241 AACCAACAGGTATAACCATATCACAGCCACATATCTTCTGTGGCTGAAAGGATCCTGAG 300
Db 1595 AACCAACAGGTATAACCATATCACAGCCACATATCTTCTGTGGCTGAAAGGATCCTGAG 1654
Qy 301 AGAAAAGCAAGAGAAAGAAATACAGACGAGATCTGCMAGCCGAGCAATATCAAGGCCCA 360
Db 1655 AGAAAAGCAAGAGAAAGAAATACAGACGAGATCTGCAAGCCGAGCAATATCAAGGCCCA 1714
Qy 361 GTTTAGGCGATCATGGCCAAACAAATTTGATGTACCCAGGACCTTTGAGGATGACCTCAC 420
Db 1715 GTTTAGGCGATCATGGCCAAACAAATTTGATGTACCCAGGACCTTTGAGGATGACCTCAC 1774
Qy 421 GGCCACTCCTTTGTCCACGCGACTGTCCCTCAGTCTCTGTCTGGGCTGTGACAGTGT 480
Db 1775 GGCCACTCCTTTGTCCACGCGACTGTCCCTCAGTCTCTGTCTGGGCTGTGACAGTGT 1834
Qy 481 CCTCAATGSCCAGAGCAAGGCTGTGTGACTCAGCTAAGTAAGAGATGACCTCCCTGA 540
Db 1835 CCTCAATGSCCAGAGCAAGGCTGTGTGACTCAGCTAAGTAAGAGATGACCTCCCTGA 1894
Qy 541 GTTGGCTGACACGACACTCTCTACGGTGCACCCGCAAGCTTTAAACCCACAGCCAGTGG 600
Db 1895 GTTGGCTGACACGACACTCTCTACGGTGCACCCGCAAGCTTTAAACCCACAGCCAGTGG 1954
Qy 601 GCGGAAGTCTCTGTTTCAGGGTGAAGAAGATGAAGAGGAGATGAGGAGGACAAGAAACC 660
Db 1955 GCGGAAGTCTCTGTTTCAGGGTGAAGAAGATGAAGAGGAGATGAGGAGGACAAGAAACC 2014
Qy 661 CATGTCCCTCTCAACACAGTGGTTTGGCCGGAGCCATCTGTAAACCAACCGCCTGAC 720
Db 2015 CATGTCCCTCTCAACACAGTGGTTTGGCCGGAGCCATCTGTAAACCAACCGCCTGAC 2074
Qy 721 ATCCAGGAAGAGTGGCCCGTCTCTCAACAGATCTTTGAGGAAGGGGAATCTGATGATGA 780
Db 2075 ATCCAGGAAGAGTGGCCCGTCTCTCAACAGATCTTTGAGGAAGGGGAATCTGATGATGA 2134
Qy 781 GTTTGACATGGATGAGAAATCTGCCTCCCAAGTTGACAGGTTAAAGATGAATATAGCTTC 840
Db 2135 GTTTGACATGGATGAGAAATCTGCCTCCCAAGTTGACAGGTTAAAGATGAATATAGCTTC 2194
Qy 841 TCCAGGTACAGTTCAAAACGCTTACACCGGAGGAAAGTCAAGGCGGGGCTCCAGCTG 900
Db 2195 TCCAGGTACAGTTCAAAACGCTTACACCGGAGGAAAGTCAAGGCGGGGCTCCAGCTG 2254
Qy 901 CAGTAGTTCGGAGACCAAGTATGATGATTTCTGAAAACCGCGCGGCTCGATAAAGATAG 960
Db 2255 CAGTAGTTCGGAGACCAAGTATGATGATTTCTGAAAACCGCGCGGCTCGATAAAGATAG 2314
Qy 961 CCGGTTTCACTTACTCTCTGCAACCGACGGATAGACAGGGGGCCCCCTTGGCGAGTGGGG 1020

Db 2315 CGGGTTACCTACTCCTGGCACCGAGCGGGATAGCAGCGGGGGCCCCCTGGCAGTGAGGG 2374

Qy 1021 GGATGGCGGGCGCAGAGCAAGCCGAGCAATGCCAGTGGAGGGGTGGACAAGGCCAGGCC 1080

Db 2375 GGATGGCGGGCGCAGAGCAAGCCGAGCAATGCCAGTGGAGGGGTGGACAAGGCCAGGCC 2434

Qy 1081 CAGTGAGAACAACTCTGGTGGGGCAGTCCCTCCAGCGGGCTCGGGTGGCAACCCACCAA 1140

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RESULT 4
US-10-354-358-69
; Sequence 69, Application US/10354358
; Publication No. US20030157082A1

GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc
; APPLICANT: Huncer, John Joseph
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Tsai, Fong-Ying
; APPLICANT: Lesoon, Andrea
; APPLICANT: Lightcap, Eric S.
; APPLICANT: Williamson, Mark
; APPLICANT: Rudolph-Owen, Laura A.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: CANCER USING 140, 1470, 1686, 2089, 2427, 3702, 5891, 6428,
; TITLE OF INVENTION: 7181, 7660, 25641, 69583, 49863, 8897, 1682, 17657, 9235,
; TITLE OF INVENTION: 3703, 14171, 10359, 1660, 1450, 18894, 2088, 32427, 2160,
; TITLE OF INVENTION: 9252, 9389, 1642, 85269, 10297, 1584, 9525, 14124, 4469,
; TITLE OF INVENTION: 8990, 2100, 9288, 64698, 10480, 20893, 33230, 1586, 9943,
; TITLE OF INVENTION: 16334, 68862, 9011, 14031, 6178, 21225, 1420, 32236, 2099,
; TITLE OF INVENTION: 2150, 26583, 2784, 8941, 9811, 27444, 50566 OR 66428 MOLECULES
; FILE REFERENCE: MPI02-020P1RNMNIM
; CURRENT APPLICATION NUMBER: US/10/354,358
; CURRENT FILING DATE: 2003-01-30
; PRIOR APPLICATION NUMBER: US 60/353,600
; PRIOR FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: US 60/364,517
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/371,075
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US 60/371,507
; PRIOR FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: US 60/372,984
; PRIOR FILING DATE: 2002-04-16
; PRIOR APPLICATION NUMBER: US 60/374,194
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: US 60/382,995
; PRIOR FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: US 60/385,023
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 60/388,853
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: US 60/389,395
; PRIOR FILING DATE: 2002-06-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 69
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; TYPE: DNA
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US-10-354-358-69

Query Match 100.0%; Score 4163.4; DB 16; Length 5519;
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Matches 4164; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 3995 CACATACAGCAAAATGCAAAAGCTGCTTGGTAACTTTTCTGGAATGTT 4054
QY 2701 TTTCACTTTGGCTTTTCTGCCAAAAACAATAATCAAGAACTCTTGGCTTTAACTTATCC 2760
DB 4055 TTTCACTTTGGCTTTTCTGCCAAAAACAATAATCAAGAACTCTTGGCTTTAACTTATCC 4114
QY 2761 TGTACAAAGACTGTTTTGACCAAGATAATCATCTGTGTGGCAATCTATCTTTGAGGACA 4174
DB 4115 TGTACAAAGACTGTTTTGACCAAGATAATCATCTGTGTGGCAATCTATCTTTGAGGACA 4174
QY 2821 CTGTATATTGCAAAATGCTGATTTATGGAAGGGCCAGTTGCTGTTTTTTCATGCAGTGGC 2880
DB 4175 CTGTATATTGCAAAATGCTGATTTATGGAAGGGCCAGTTGCTGTTTTTTCATGCAGTGGC 4234
QY 2881 CTGGGAGTCTTAAAGCAGTGTCTAGCAATTTGGTATAGCATGTGGCTGGGACCCAGG 2940
DB 4235 CTGGGAGTCTTAAAGCAGTGTCTAGCAATTTGGTATAGCATGTGGCTGGGACCCAGG 4294
QY 2941 GCCCTTCCCACCTTTCAAGCCCGAGTCAATGCTGTGAGGTGACGCACTGAGACGCACTCT 3000
DB 4295 GCCCTTCCCACCTTTCAAGCCCGAGTCAATGCTGTGAGGTGACGCACTGAGACGCACTCT 4354
QY 3001 GGTCTGTAAATCAGAGAGTGGGCATCACCAAGAACTGCAATGCTGTGGTCACTGTT 3060
DB 4355 GGTCTGTAAATCAGAGAGTGGGCATCACCAAGAACTGCAATGCTGTGGTCACTGTT 4414
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DB 4415 TCTTCAAGTACACACTGACTCTGCTACTTTAGGATAAATATATTTTACTCAGAACTCTGA 4474
QY 3121 ATTTCAAGTATCTTACTAACTAAGTAAATGATACCTTAAATATCTTTTACTTTT 3180
DB 4475 ATTTCAAGTATCTTACTAACTAAGTAAATGATACCTTAAATATCTTTTACTTTT 4534
QY 3181 CTAGACCTAGGCTAGATGTTTTAAGCTACAGCTCTAGTTCATTTGTGATATTTTATAATTTG 3240
DB 4535 CTAGACCTAGGCTAGATGTTTTAAGCTACAGCTCTAGTTCATTTGTGATATTTTATAATTTG 4594
QY 3241 AAAGCTATGAGATAGATGTGGTGAAGCCATAGAAATATTTGCTTGAATTTCTTGA 3300
DB 4595 AAAGCTATGAGATAGATGTGGTGAAGCCATAGAAATATTTGCTTGAATTTCTTGA 4654
QY 3301 GCAGGGATCTTATAAAGGGCCAGAAATAGATGTGGTTTCAATAGATAGTGAAGCGTAA 3360
DB 4655 GCAGGGATCTTATAAAGGGCCAGAAATAGATGTGGTTTCAATAGATAGTGAAGCGTAA 4714
QY 3361 CATCTGTATTAACATAGGAGAGAGTATTAAGGGCATTTGCAATTAACCTCTTTGTTG 3420
DB 4715 CATCTGTATTAACATAGGAGAGAGTATTAAGGGCATTTGCAATTAACCTCTTTGTTG 4774
QY 3421 CAGCTGTTTTCCAGAGCTGTAATATCTTTTCTGTGATATGATAGCTTTGGAAATGG 3480
DB 4775 CAGCTGTTTTCCAGAGCTGTAATATCTTTTCTGTGATATGATAGCTTTGGAAATGG 4834
QY 3481 CACCTTTTAACTAACCCATATGTTTGGTTTCAATGGTTTTTATATTAGATGTATAT 3540
DB 4835 CACCTTTTAACTAACCCATATGTTTGGTTTCAATGGTTTTTATATTAGATGTATAT 4894

QY 3541 ATGGTGCTCACATTTAGGATCAGCAGTGTGACCAATTTATGCTGCATAGCTGTATTATAGC 3600
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QY 3601 CTTATTAGTGTGTGGTTGACCCCTTGGGGTATACAAATGTCAAGTCTGAGTGGTGTCTTAC 3660
DB 4955 CTTATTAGTGTGTGGTTGACCCCTTGGGGTATACAAATGTCAAGTCTGAGTGGTGTCTTAC 5014
QY 3661 TCCTTTGTTTATAAGTGAATGATGTCATGTTTTGTATGTCATAGTATGTCGTACATA 3720
DB 5015 TCCTTTGTTTATAAGTGAATGATGTCATGTTTTGTATGTCATAGTATGTCGTACATA 5074
QY 3721 AAAGGGAGGGAGGAGGAAAAACCAATTACATTAAGATAAATTTGACCAAACTACTTACTTGC 3780
DB 5075 AAAGGGAGGGAGGAGGAAAAACCAATTACATTAAGATAAATTTGACCAAACTACTTACTTGC 5134
QY 3781 TCTAAACAGTTACTTGTGTACCCCTTAAACCTGTCTTCAAAAGTTGCATATAGTTACAGTAGT 3840
DB 5135 TCTAAACAGTTACTTGTGTACCCCTTAAACCTGTCTTCAAAAGTTGCATATAGTTACAGTAGT 5194
QY 3841 GTATAAATTAATAATTTGTGGAACACGCTTGTATTTTTTCTGTATGTCGTATATATAT 3900
DB 5195 GTATAAATTAATAATTTGTGGAACACGCTTGTATTTTTTCTGTATGTCGTATATATAT 5254
QY 3901 ATAATATGTTACTTCTGGCAATTTCTATCTGTATTTTAAAGATGTGACAACTTTGACACCAA 3960
DB 5255 ATAATATGTTACTTCTGGCAATTTCTATCTGTATTTTAAAGATGTGACAACTTTGACACCAA 5314
QY 3961 TTTTAAAGATAGCTGTGAGACCGAATTTAAAGATAATCCCTACCAAGTGAAAAATTTGATGTG 4020
DB 5315 TTTTAAAGATAGCTGTGAGACCGAATTTAAAGATAATCCCTACCAAGTGAAAAATTTGATGTG 5374
QY 4021 TGTAAAGAGGTACAGAAATTAATCACTGATTTTGGTCACTTGGTCCCAATGCTGTTGATT 4080
DB 5375 TGTAAAGAGGTACAGAAATTAATCACTGATTTTGGTCACTTGGTCCCAATGCTGTTGATT 5434
QY 4081 TCCTCATTTGTGTAAACATTGACAGTATGTGACAAATGGGAAAAAATCCAAATAATA 4140
DB 5435 TCCTCATTTGTGTAAACATTGACAGTATGTGACAAATGGGAAAAAATCCAAATAATA 5494
QY 4141 AAGTGACATATTTGGTGTTCAGCAAT 4165
DB 5495 AAGTGACATATTTGGTGTTCAGCAAT 5519

RESULT 5

US-10-425-114-26289
; Sequence 26289, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 26289
; LENGTH: 4176
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4119-206-H10_FLI
US-10-425-114-26289

Query Match 99.4%; Score 4138.2; DB 18; Length 4176;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 4162; Conservative 0; Mismatches 3; Indels 2; Gaps 2;

QY 1 GTCTAAAGAGTGAAGACCTAATTACACGGATGCTACAGAGAGATCCCAAGAGAAGGGC 60
DB 8 GTCTAAAGAGTGAAGACCTAATTACACGGATGCTACAGAGAGATCCCAAGAGAAGGGC 67
QY 61 TTCTTTAAGAGAGATTGAAAATCATCTTGGCTTCAGGGAGTGAGCCCTTCCACGCTAC 120
DB 68 TTCTTTAAGAGAGATTGAAAATCATCTTGGCTTCAGGGAGTGAGCCCTTCCACGCTAC 127
QY 121 AAAGTATAACATTCCTTGTGTGTCATACAAAAATCTCTCGAAGAGAGAGACCAACAGCAT 180
DB 128 AAAGTATAACATTCCTTGTGTGTCATACAAAAATCTCTCGAAGAGAGAGACCAACAGCAT 187
QY 181 CATTCAGCGCATGGTGTCTGGGACATAGCGGATTCGAGACGCCATTGTAGAAGCCCTGGA 240
DB 188 CATTCAGCGCATGGTGTCTGGGACATAGCGGATTCGAGACGCCATTGTAGAAGCCCTGGA 247
QY 241 AACCAACAGGTATAACCATATACAGCCACATCTCTCGTGGTGAAGAGATCCTGAG 300
DB 248 AACCAACAGGTATAACCATATACAGCCACATCTCTCGTGGTGAAGAGATCCTGAG 307
QY 301 AGAAAAGCAAGAGAAAGAAATACAGACCCAGATCTGCAAGCCCGAGCAATATCAAGGCCCA 360
DB 308 AGAAAAGCAAGAGAAAGAAATACAGACCCAGATCTGCAAGCCCGAGCAATATCAAGGCCCA 367
QY 361 GTTTAGGCAGTCAATGGCCAAACCAAAATTGATGTACCCAGGACCTTGAGGATGACCTCAC 420
DB 368 GTTTAGGCAGTCAATGGCCAAACCAAAATTGATGTACCCAGGACCTTGAGGATGACCTCAC 427
QY 421 GGCACATCTTTGTCCACCGGACTGTCCCTCAGTCTCTCGTCCGGCTGCTCACAGTGT 480
DB 428 GGCACATCTTTGTCCACCGGACTGTCCCTCAGTCTCTCGTCCGGCTGCTCACAGTGT 487
QY 481 CCTCAATGGCCACAGGACCAAGCCCTGTGTGACTCAGCTAAGAAAGATGACCTCCCTGA 540
DB 488 CCTCAATGGCCACAGGACCAAGCCCTGTGTGACTCAGCTAAGAAAGATGACCTCCCTGA 547
QY 541 GTTGGCTGGAACAGCACTCTTACGGTGCACCCGCAAGCTTAAACCCACAGCCAGTGG 600
DB 548 GTTGGCTGGAACAGCACTCTTACGGTGCACCCGCAAGCTTAAACCCACAGCCAGTGG 607
QY 601 GCGGAAGTGTCTCTCAGGGTGAAGAGATGAAGAGGAGATGAGGAGACCAAGAAC 660
DB 608 GCGGAAGTGTCTCTCAGGGTGAAGAGATGAAGAGGAGATGAGGAGACCAAGAAC 667
QY 661 CATGTCCCTCTCAACACAAAGTGTGTCGCGGAAAGCCATCTGTAAACCAACCGCTGAC 720
DB 668 CATGTCCCTCTCAACACAAAGTGTGTCGCGGAAAGCCATCTGTAAACCAACCGCTGAC 727
QY 721 ATCCAGGAAGTGGCCCTCTCTCAACAGATCTTTGAGGAAGGGGAATCTGATGATGA 780
DB 728 ATCCAGGAAGTGGCCCTCTCTCAACAGATCTTTGAGGAAGGGGAATCTGATGATGA 787
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DB 788 GTTTGACATGGATGAGATCTGCTCCCAAGTTGAGCAGGTTAAAGATGATATAGCTTC 847
QY 841 TCCAGGTACAGTTTCAAAAAGCTTACACCGGAGGAAAAGTCAGGGCCGGGCTCCAGCTG 900
DB 848 TCCAGGTACAGTTTCAAAAAGCTTACACCGGAGGAAAAGTCAGGGCCGGGCTCCAGCTG 907
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DB 908 CAGTAGTTCGAGACCAAGTATGATGATCTGAAAGCCGCGCGCTCGATAAGATAG 967
QY 961 CCGGTTCACTACTCTTGGACCGAGCGGATAGCAGGAGGGCCCTTGGCAGTAGGG 1020
DB 968 CCGGTTCACTACTCTTGGACCGAGCGGATAGCAGGAGGGCCCTTGGCAGTAGGG 1027
QY 1021 GGATGCGGGGGCCAGAGCAAGCCGAGCAATGCCAGTGGAGGGGTGAGCAAGGCCAGCCC 1080
DB 1028 GGATGCGGGGGCCAGAGCAAGCCGAGCAATGCCAGTGGAGGGGTGAGCAAGGCCAGCCC 1087

QY 1081 CAGTGAGAACATGCTGGTGGGGCAGTCCCTCCAGCGGCTCGGGTGGCAACCCCAACAA 1140
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QY 1141 TACATCGGGTACCAACAGCGCTGTCCGGCCCAAGCAACTCCATGAGCTGGCTCTCG 1200
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DB 1208 CAGTGTGGGGAGCTCGTTGAGAGCCCTCAAACTCATGAGCCTTGCCCTCGGCTCCCAAGCT 1267
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DB 1268 TCATGGGAGCACCAAGTACATTTATGATCACAAGAAATGGCTGTCTATTTCCAGTGA 1327
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DB 1328 AGTCCAAAGAGAAATCTACGTGGAATAATGTGCTCCACAGGAAATGAGGGCAGGT 1387
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DB 1688 GGGTTAGGAGCAATTTATTTATACCTTTTACCTTTTCAATTTGTCCTGATGATGCAATGCA 1747
QY 1741 GGTCTTTGTGCTGCTGCTAGACACCTTTTCCAGCGGAAAGCCCTATTTATGTAAT 1800
DB 1748 GGTCTTTGTGCTGCTGCTAGACACCTTTTCCAGCGGAAAGCCCTATTTATGTAAT 1807
QY 1801 TTTTACATTCATTAATTTTAAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1860
DB 1808 TTTTACATTCATTAATTTTAAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1867
QY 1861 TCTTATAAATGGAGCACTTAGAAATTTGTTGTCGACTTAACTTAACTTAGAGAGAGAAAA 1920
DB 1868 TCTTATAAATGGAGCACTTAGAAATTTGTTGTCGACTTAACTTAACTTAGAGAGAGAAAA 1927
QY 1921 TGC-TTTTTCTTTGTGAAAAATCTGAATTCCTGCTGACCTTCTGTGATGTGAAAAACCT 1979
DB 1928 TGCCTTTCTTTGTGAAAAATCTGAATTCCTGCTGACCTTCTGTGATGTGAAAAACCT 1987
QY 1980 AGGCTCTGAGACACACTCTCTGGTGTCTGAGACAGAAACAAAGCAATAAGTTGTGATGC 2039
DB 1988 AGGCTCTGAGACACACTCTCTGGTGTCTGAGACAGAAACAAAGCAATAAGTTGTGATGC 2047
QY 2040 CCACAGGCTGAGCAGCTAGGACCTTGTGCGCCCGAGCTGCTCATGGCCGCTGAGA 2099
DB 2048 CCACAGGCTGAGCAGCTAGGACCTTGTGCGCCCGAGCTGCTCATGGCCGCTGAGA 2107
QY 2100 GCAGAGGACAGTGAAGTGTCTGCACTGAGAACTTTAAACCAACAGTTGAAATATCCACACC 2159
DB 2108 GCAGAGGACAGTGAAGTGTCTGCACTGAGAACTTTAAACCAACAGTTGAAATATCCACACC 2167
QY 2160 TGTGTTGCTTAAAGCTATAGTGTAAAAAACAAGTTTGGGCTCTGAAAAATTTAACTGAAAAA 2219


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; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhao, Qing A.
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. US20020197679A1el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2
; CURRENT APPLICATION NUMBER: US/10/098,841
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 09/598,042
; PRIOR FILING DATE: 2000-06-20
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 331
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 173
; LENGTH: 4543
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (266)..(1945)
; US-10-098-841-173

Query Match      98.3%; Score 4094.8; DB 13; Length 4543;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 4163; Conservative 0; Mismatches 2; Indels 7; Gaps 6;

QY      1  GTCTAAAGAGTGTAAAGACCTTAATTACCGGATGCTACAGAGAGATCCCAAGAGAGGGC 60
DB      361  GTCTAAAGAGTGTAAAGACCTTAATACACCGATGCTACAGAGAGATCCCAAGAGAGGGC 420

QY      61  TTCTTTAGAGAGATTGAAATCATCTTGGCTTCAGGGAGTGACCCCTTCAACAGCTAC 120
DB      421  TTCTTTAGAGAGATTGAAATCATCTTGGCTTCAGGGAGTGACCCCTTCAACAGCTAC 480

QY      121  AAAGTATAACATTCCTTGGTGTATACAAATAATCTTCGGAAGAGAGAGACCAACAGCAT 180
DB      481  AAAGTATAACATTCCTTGGTGTATACAAATAATCTTCGGAAGAGAGAGACCAACAGCAT 540

QY      181  CATTACGCGATGGTGTGGGACATAGCGGATCGAGAGCGCCATTGTAGAGCCCTTGA 240
DB      541  CATTACGCGATGGTGTGGGACATAGCGGATCGAGAGCGCCATTGTAGAGCCCTTGA 600

QY      241  AACCAACAGGTATAACCATATACAGCCCATATCTTCTGCTGGCTGGAAGGATCTGAG 300
DB      601  AACCAACAGGTATAACCATATACAGCCCATATCTTCTGCTGGCTGGAAGGATCTGAG 660

QY      301  AGAAAAGCAGAGAAAGAAATACAGACCATAGTCTGCAAGCCCGAGCAATATCAAGGCCCA 360
DB      661  AGAAAAGCAGAGAAAGAAATACAGACCATAGTCTGCAAGCCCGAGCAATATCAAGGCCCA 720

QY      361  GTTTAGGAGTATGAGCCAAACCAAAATGATGATACCCAGGACCTTTGAGGATGACCTCAC 420
DB      721  GTTTAGGAGTATGAGCCAAACCAAAATGATGATGATGATGATGATGATGATGATGATGAT 780

QY      421  GGCCATCTCTTGTCCACGCGACTGTCCCTCAGTCTCTGCTCGGGCTGCTGACAGTGT 480
DB      781  GGCCATCTCTTGTCCACGCGACTGTCCCTCAGTCTCTGCTCGGGCTGCTGACAGTGT 840

QY      481  CCTCAATGGCCACAGAGCAAGGCTGTGTGACTCAGCTTAAGAAAAGATGACCTCCCTGA 540
DB      841  CCTCAATGGCCACAGAGCAAGGCTGTGTGACTCAGCTTAAGAAAAGATGACCTCCCTGA 900
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QY      541  GTTGGCTGGACAGCACTCTCTACGGTGCCACCCGCAAGCTTTAAACCCACAGCAGTGG 600
DB      901  GTTGGCTGGACAGCACTCTCTACGGTGCCACCCGCAAGCTTTAAACCCACAGCAGTGG 960

QY      601  GCGGAAGTGTCTGTTTCAGGGTGAAGAGATGAAGAGGAAGATGAGGAGCAAGAAACC 660
DB      961  GCGGAAGTGTCTGTTTCAGGGTGAAGAGATGAAGAGGAAGATGAGGAGCAAGAAACC 1020

QY      661  CATGTCTCTCTCAACACAAGTGGTTTTGCGCCGGAAGCCATCTGTATACCAACCGCCTGAC 720
DB      1021  CATGTCTCTCTCAACACAAGTGGTTTTGCGCCGGAAGCCATCTGTATACCAACCGCCTGAC 1080

QY      721  ATCCAGAGAGAGTGGCCCGTCTCTCAACACAGATCTTTTGAAGAAAGGGAATCTGATGATGA 780
DB      1081  ATCCAGAGAGAGTGGCCCGTCTCTCAACACAGATCTTTTGAAGAAAGGGAATCTGATGATGA 1140

QY      781  GTTTGACATGATGAGAAATCTGCTCCCAAGTTTGAGCAGGTAAAGATGAATATAGCTTC 840
DB      1141  GTTTGACATGATGAGAAATCTGCTCCCAAGTTTGAGCAGGTAAAGATGAATATAGCTTC 1200

QY      841  TCCAGGTACAGTTTCAACAAACGCTTACCACCGAGGAAAGTTCAGGGCCGGGCTCCAGCTG 900
DB      1201  TCCAGGTACAGTTTCAACAAACGCTTACCACCGAGGAAAGTTCAGGGCCGGGCTCCAGCTG 1260

QY      901  CAGTAGTTCGAGACCAAGTATGATTTCTGAAAGCGCGCGCGGCTCCATAAAGATAG 960
DB      1261  CAGTAGTTCGAGACCAAGTATGATTTCTGAAAGCGCGCGCGGCTCCATAAAGATAG 1320

QY      961  CGGGTTTCACTACTCTGCGCACCGGATACGAGGAGGAGGCGCCCTCGGAGTGAAGG 1020
DB      1321  CGGGTTTCACTACTCTGCGCACCGGATACGAGGAGGAGGCGCCCTCGGAGTGAAGG 1380

QY      1021  GGAATGCGGGGCGCAGAGCAAGCGAGCAATGCGAGTGGAGGGGTGGAAGGCCAGCCCC 1080
DB      1381  GGAATGCGGGGCGCAGAGCAAGCGAGCAATGCGAGTGGAGGGGTGGAAGGCCAGCCCC 1440

QY      1081  CAGTAGAACAATGCTGTTGGGGGAGTCCCTCCAGCGGCTCGGGTGGCAACCCACCAA 1140
DB      1441  CAGTAGAACAATGCTGTTGGGGGAGTCCCTCCAGCGGCTCGGGTGGCAACCCACCAA 1500

QY      1141  TACATCGGTGTACACACGCGCTGTGCGGCCCGGCTCCAGCAACTCCATGAGGTGCGCTCTCG 1200
DB      1501  TACATCGGTGTACACACGCGCTGTGCGGCCCGGCTCCAGCAACTCCATGAGGTGCGCTCTCG 1560

QY      1201  CAGTGTCTGGGAGCTCGTTGAGAGCCTCAAACTCATGAGCCTCTGCTCGGCTCCAGCT 1260
DB      1561  CAGTGTCTGGGAGCTCGTTGAGAGCCTCAAACTCATGAGCCTCTGCTCGGCTCCAGCT 1620

QY      1261  TCATGGGAGACCAAGTACATTTATGATCCACAGAAATGGCTTGTCTATTTTCCAGTGTGA 1320
DB      1621  TCATGGGAGACCAAGTACATTTATGATCCACAGAAATGGCTTGTCTATTTTCCAGTGTGA 1680

QY      1321  AGTCCAAAGAGAAATCTACGTTGGAATGTGATTAGTCTCCACAGGGAATGCAAGGCGAGGT 1380
DB      1681  AGTCCAAAGAGAAATCTACGTTGGAATGTGATTAGTCTCCACAGGGAATGCAAGGCGAGGT 1740

QY      1381  CCTGCAAGTGGCGGATATAAGTTTCTCTGACCAATGGGAGATACCACTCACTGAAAT 1440
DB      1741  CCTGCAAGTGGCGGATATAAGTTTCTCTGACCAATGGGAGATACCACTCACTGAAAT 1800

QY      1441  GGAAACGGATAAAGAGCAAGAACTTGAAATAATTAACGTTGTCAGCTACCTCTGTGCGAAA 1500
DB      1801  GGAAACGGATAAAGAGCAAGAACTTGAAATAATTAACGTTGTCAGCTACCTCTGTGCGAAA 1860

QY      1501  GACCATCTGTGAAACATCCAGGGAACCTTAAGGAGGGGCTGCTGTGGCATCCAGCCC 1560
DB      1861  GACCATCTGTGAAACATCCAGGGAACCTTAAGGAGGGGCTGCTGTGGCATCCAGCCC 1920

QY      1561  AGCAGCTGTGTCATGTCATCTGACTGTGGGCGCCATCTGGGCGCTAGCAGCTTCTCTGC 1620
DB      1921  AGCAGCTGTGTCATGTCATCTGACTGTGGGCGCCATCTGGGCGCTAGCAGCTTCTCTGC 1980

QY      1621  TCAGAGCAGTGAAGACCGGCTCACTTCACTGTTCATTTGGTTTACTATTTTAAAGTGG 1680
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Db 1981 TCAGACAGTGAAGACCGGCTCACTTCACTGTTCCATTTGGTTTACTATTTTAAAGTGG 2040
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Db 2161 TTTFACATTCATATAATTTTAAATGTGGATGATCAGAGTTAAATCAAGATATATATCTGGAAC 2220
QY 1861 TCTTATAAATGGAGCACTTAGAAATTTGTTGTTCTGCACTTAACTTAGAGAGAGAAAAA 1920
Db 2221 TCTTATAAATGGAGCACTTAGAAATTTGTTGTTCTGCACTTAACTTAGAGAGAGAAAAA 2280
QY 1921 TGC - TTTTCTTTGTGAAAAATCTGAATTTCTGTCCTGACCTTCTGTGATGTGGAACCCCT 1979
Db 2281 TGC TTTTCTTTGTGAAAAATCTGAATTTCTGTCCTGACCTTCTGTGATGTGGAACCCCT 2340
QY 1980 AGGCTCTGAGACACACTCTCTGTGTCTGAGACAGAACCAAGCAATAAGCTTTGTGATGC 2039
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Db 2461 GCAGAGCAGTGAAGTGTCTGCACTGAGAACCTTTAAACCAAGTTGAAATACCCACACC 2520
QY 2160 TGTGTTGCTTAAAGCTAGTGTAAAAACAAGTTTGGGCTCTGAAAAATTTAACTGAAAAA 2219
Db 2521 TGTGTTGCTTAAAGCTAGTGTAAAAACAAGTTTGGGCTCTGAAAAATTTAACTGAAAAA 2580
QY 2220 GATTTCCCTGTTTTGTAAATGAGTGAATAAGTACTTAGATTTATAA - GGCAGCTTCCC 2278
Db 2581 GATTTCCCTGTTTTGTAAATGAGTGAATAAGTACTTAGATTTATAAAGGCGCAGCTTCCC 2640
QY 2279 CTGTAGTGAATAATTAACAGCAGACATCTTATTTTGTATGTTGATGAGTGAATGATGC 2338
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Db 2701 TTAACCTCTACTTAGAGAGTGTATGTCCTAAGACAGAAACAAAGATGCTCTGTGTAAT 2760
QY 2399 TCCTTCCTGTAGGCGACACTGCGAGGATTTCCATGTAGATAGAGAACTATAGGCGCTAGT 2458
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QY 2459 ACAGAGGTCGACA - CHAATGTTGGCAAGTC - AAACCCCATGAAATTAACCTACTGGA 2516
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QY 2517 ATTTGGTTTTTAGGAGTTTGGTAATAGATTAATCTCTTTGTTGTTATTTCAATTCAGTTATA 2576
Db 2881 ATTTGGTTTTTAGGAGTTTGGTAATAGATTAATCTCTTTGTTGTTATTTCAATTCAGTTATA 2940
QY 2577 TCCTTTT - GGCTCAGCTAGCTTTGAAATTTGCTGATGAAAAAATATACATAAAAAGGTTAAA 2635
Db 2941 TCCTTTGGGCTCAGTACCTTTGAAATTTGCTGATGAAAAAATATACATAAAAAGGTTAAA 3000
QY 2636 ATTCACACATACAGCAACAAAAATGCAAAAGCCTCTTCTGTAATCTTTTCTGGA 2695
Db 3001 ATTCACACATACAGCAACAAAAATGCAAAAGCCTCTTCTGTAATCTTTTCTGGA 3060
QY 2696 TTGTTTTTCACTTTGCTTTTCTGCGCAAAACAAATCAAGAACTCTTGTCTTTAACTT 2755
|||||

Db 3061 TTGTTTTTCACTTTGCTTTTCTGCCAAAAACAATAACAAGAACTCTTGTCTTTAACTT 3120
QY 2756 ATTTCTGTACAAAGACTGTTTTTGGACAGATAATCATCTGTTGTGGCAATCTCTATCTGTA 2815
Db 3121 ATTTCTGTACAAAGACTGTTTTTGGACAGATAATCATCTGTTGTGGCAATCTCTATCTGTA 3180
QY 2816 GGACACTGTATATTCGAAATTCGATATGGAAGGGCCAGTTCGTCTGTTTTTTCATGCA 2875
Db 3181 GGACACTGTATATTCGAAATTCGATATGGAAGGGCCAGTTCGTCTGTTTTTTCATGCA 3240
QY 2876 GTGCCCTGGAGCTTTAAAGCAGTCTTTCAGCAATTCGTTGATAGCATGTGGCTGGGAC 2935
Db 3241 GTGCCCTGGAGCTTTAAAGCAGTCTTTCAGCAATTCGTTGATAGCATGTGGCTGGGAC 3300
QY 2936 CCAGGCGCTTCCCACTCTTCAGGCCCGAGTCATGTCCTGAGTGCAGGACTGAGACG 2995
Db 3301 CCAGGCGCTTCCCACTCTTCAGGCCCGAGTCATGTCCTGAGTGCAGGACTGAGACG 3360
QY 2996 CATCTGGTCTCTGTAATTCAGAGAGTGGGCATCAACCAAGAACTGCAATTCGTGTGCTCA 3055
Db 3361 CATCTGGTCTCTGTAATTCAGAGAGTGGGCATCAACCAAGAACTGCAATTCGTGTGCTCA 3420
QY 3056 CTGTTTTCTTCAAGTACACACTGCTCTCTTTAGGATAAATAATATTTTACTCAGAAC 3115
Db 3421 CTGTTTTCTTCAAGTACACACTGCTCTCTTTAGGATAAATAATATTTTACTCAGAAC 3480
QY 3116 TCTGAATTTCAAGTATACTTAACTAACTAAGTAAATAATGATCTTAAATACTTATTTT 3175
Db 3481 TCTGAATTTCAAGTATACTTAACTAACTAAGTAAATAATGATCTTAAATACTTATTTT 3540
QY 3176 ACTTTCTAGACCTTAGCTAGATGTTTAAAGCTACAGCTCTAGTTCATTTGTGATTTATA 3235
Db 3541 ACTTTCTAGACCTTAGCTAGATGTTTAAAGCTACAGCTCTAGTTCATTTGTGATTTATA 3600
QY 3236 ATTTGAAAGCTATGAGATAGATGTTGGTGAAGCCATAGAACATATTTGCTTGAATTT 3295
Db 3601 ATTTGAAAGCTATGAGATAGATGTTGGTGAAGCCATAGAACATATTTGCTTGAATTT 3660
QY 3296 CTGAGCAGGATCTTTATAAGGGCCAGAAATAAGATGTTGGTTCACATAGATAGTAG 3355
Db 3661 CTGAGCAGGATCTTTATAAGGGCCAGAAATAAGATGTTGGTTCACATAGATAGTAG 3720
QY 3356 CGTAAACATCTGATTTAAACATAGGAGAGAAAGTTTATAAGGGCATTTGGCAATAAACTCTT 3415
Db 3721 CGTAAACATCTGATTTAAACATAGGAGAGAAAGTTTATAAGGGCATTTGGCAATAAACTCTT 3780
QY 3416 TGTTCAGCTGTTTTCCAAAGCAGTGAATACTTTTTTCTGTTGATTTATGATAGCCTTGG 3475
Db 3781 TGTTCAGCTGTTTTCCAAAGCAGTGAATACTTTTTTCTGTTGATTTATGATAGCCTTGG 3840
QY 3476 AATGGCACCTTTTAACTAACCCATATGCTTTGTTGTTTCAATGTTTTTATATTCAGATG 3535
Db 3841 AATGGCACCTTTTAACTAACCCATATGCTTTGTTGTTTCAATGTTTTTATATTCAGATG 3900
QY 3536 TATATATGTTGCTCACTTTAGGATCAGAGTGTGACCAATTTATGCTGCATAGCTGTATT 3595
Db 3901 TATATATGTTGCTCACTTTAGGATCAGAGTGTGACCAATTTATGCTGCATAGCTGTATT 3960
QY 3596 ATAGCCTTATATGTTGTTGACCTTTGGGGTATACAAATGTCAGTCTGAGTGGTGT 3655
Db 3961 ATAGCCTTATATGTTGTTGACCTTTGGGGTATACAAATGTCAGTCTGAGTGGTGT 4020
QY 3656 CTTTACTCTTTGTTTATTAAGTGAATGATGTCATGTTTGTATGTCATAGTATGCTGC 3715
Db 4021 CTTTACTCTTTGTTTATTAAGTGAATGATGTCATGTTTGTATGTCATAGTATGCTGC 4080
QY 3716 ACATAAAGGGAGGAGCGAAAAACCAATTACATTAAGATAAATTTGGACCAAACTACTTA 3775
Db 4081 ACATAAAGGGAGGAGCGAAAAACCAATTACATTAAGATAAATTTGGACCAAACTACTTA 4140
QY 3776 CTTGCTCTAAACAGTTACTTTGTACCCCTTAACTGCTCTTCAAAAGTTGCATAGTTACA 3835
Db 4141 CTTGCTCTAAACAGTTACTTTGTACCCCTTAACTGCTCTTCAAAAGTTGCATAGTTACA 4200
|||||

Qy 3836 GTAGTGATATAATTAATTTGCGAAAAACAGCTTTGTATTTTCTGTATGTG--TA 3893
Db 4201 GTAGTGATATAATTAATTTGCGAAAAACAGCTTTGTATTTTCTGTATGTGATA 4260
Qy 3894 TATATATATATATGTTCTGCGCAATCTCTATTTTAAAGATGTGACAACTTG 3953
Db 4261 TATATATATATATGTTCTGCGCAATCTCTATTTTAAAGATGTGACAACTTG 4320
Qy 3954 ACACCAATTTTAAAGATGTGCGACCGAATTAAGATAATCCCTACCAAGTGAAT 4013
Db 4321 ACACCAATTTTAAAGATGTGCGACCGAATTAAGATAATCCCTACCAAGTGAAT 4380
Qy 4014 TGATGTGTTAAGAGGTTACAGAAATTAATCACTGATTTGGTCAAGTTTCCAAATGCTG 4073
Db 4381 TGATGTGTTAAGAGGTTACAGAAATTAATCACTGATTTGGTCAAGTTTCCAAATGCTG 4440
Qy 4074 GTTGATTTCCCTCATTTGTTAAACATTTGACAGGTTATGCAATGGGAAAAAATCCA 4133
Db 4441 GTTGATTTCCCTCATTTGTTAAACATTTGACAGGTTATGCAATGGGAAAAAATCCA 4500
Qy 4134 AATAATAAGTGACATATTTGGTGTTCAGCAAT 4165
Db 4501 AATAATAAGTGACATATTTGGTGTTCAGCAAT 4532

RESULT 7

US-10-311-034-47
; Sequence 47, Application US/10311034
; Publication No. US20040023242A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: YUE, Henry
; APPLICANT: LAL, Preeti
; APPLICANT: BANDMAN, Olga
; APPLICANT: BOROMSKY, Mark L.
; APPLICANT: AU-YOUNG, Janice
; APPLICANT: LU, Yan
; APPLICANT: GANDHI, Ameena R.
; APPLICANT: TRIBOULEY, Catherine M.
; APPLICANT: CHAWLA, Narinder K.
; APPLICANT: YAO, Monique G.
; APPLICANT: LU, Dying Aina M.
; APPLICANT: GREENWALD, Sara R.
; APPLICANT: RAMKUMAR, Javalaxmi
; APPLICANT: GRIFFIN, Jennifer A.
; APPLICANT: KEARNEY, Liam
; APPLICANT: BURFORD, Neil
; APPLICANT: NGUYEN, Dannie B.
; APPLICANT: TANG, Y. Tom
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: HE, Ann
; APPLICANT: THORNTON, Michael
; APPLICANT: HAFALIA, April
; APPLICANT: ARVIZO, Chandra S.
; APPLICANT: GURURAJAN, Rajagopal
; APPLICANT: LO, Terence P.
; APPLICANT: KHAH, Farrah A.
; APPLICANT: RECIPON, Shirley A.
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: POLICKY, Jennifer L.
; APPLICANT: DING, Li
; APPLICANT: GREYER, Megan
; APPLICANT: ELLIOTT, Vicki S.
; APPLICANT: THANGAVELU, Kavitha
; APPLICANT: BATRA, Sejeev
; APPLICANT: ISON, Craig H.
; TITLE OF INVENTION: HUMAN KINASES
; FILE REFERENCE: PI-0125 PCT
; CURRENT APPLICATION NUMBER: US/10/311,034
; PRIOR FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: 60/212,073; 60/213,467; 60/215,651; 60/216,605; 60/218,372;
; 60/228,056

; PRIOR FILING DATE: 2000-06-15; 2000-06-23; 2000-06-30; 2000-07-07; 2000-07-13; 2000-
25
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PERL Program
; SEQ ID NO 47
; LENGTH: 4772
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040023242A1 063497CB1
US-10-311-034-47

Query Match 87.0%; Score 3622.6; DB 17; Length 4772;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 3639; Conservative 0; Mismatches 9; Indels 1; Gaps 1;
Qy 1 GTCTAAAGAGTGTAAAGACCTTAATTACACGGATGCTACAGAGAGATCCCAAGAGAAGGC 60
Db 910 GTCTAAAGAGTGTAAAGACCTTAATCAACGGATGCTACAGAGAGATCCCAAGAGAAGGC 969
Qy 61 TTCTTTAGAGAGATTGAAAAATCATCTTCGGCTTCAGGGAGTGGACCTTCACCAAGTAC 120
Db 970 TTCTTTAGAGAGATTGAAAAATCATCTTCGGCTTCAGGGAGTGGACCTTCACCAAGTAC 1029
Qy 121 AAAAGTATAACATTTCCCTTTGTGTATACAAAAATCTCTCGAAAGAGGAGCAACAGCAT 180
Db 1030 AAAAGTATAACATTTCCCTTTGTGTATACAAAAATCTCTCGAAAGAGGAGCAACAGCAT 1089
Qy 181 CATTCAGCGCATGCTGCTTGGGGACATAGCGGATCGAGAGCCATTTGTAGAAGCCCTTGA 240
Db 1090 CATTCAGCGCATGCTTGGGGACATAGCGGATCGAGAGCCATTTGTAGAAGCCCTTGA 1149
Qy 241 AACCAACAGGTATAACCATATACAGCCACATATCTCTGCTGGCTGAAAGGATCCTGAG 300
Db 1150 AACCAACAGGTATAACCATATACAGCCACATATCTCTGCTGGCTGAAAGGATCCTGAG 1209
Qy 301 AGAAAAAGCAAGAGAAAGAAATACAGACCAGATCTGCAAGCCCGAGCAATATCAAGGCCCA 360
Db 1210 AGAAAAAGCAAGAGAAAGAAATACAGACCAGATCTGCAAGCCCGAGCAATATCAAGGCCCA 1269
Qy 361 GTTTAGCGAGTATGCGCCAAACCAAAATTTGATGTACCCAGGACCTTGAGAGATGACCTCAC 420
Db 1270 GTTTAGCGAGTATGCGCCAAACCAAAATTTGATGTACCCAGGACCTTGAGAGATGACCTCAC 1329
Qy 421 GGCCACTCTTTGCTCCACGCGACTGTCCTCAGTCTCTGCTCGGCTGCTGACAGTGT 480
Db 1330 GGCCACTCTTTGCTCCACGCGACTGTCCTCAGTCTCTGCTCGGCTGCTGACAGTGT 1389
Qy 481 CCTCAATGGCCACAGGAGCAAGGCTGTGTGACTCAGCTAAGAAAGATGACCTCCCTGA 540
Db 1390 CCTCAATGGCCACAGGAGCAAGGCTGTGTGACTCAGCTAAGAAAGATGACCTCCCTGA 1449
Qy 541 GTTGGCTGGACGAGCATCTCTACGGTGCACCCGCAAGCTTAAACCCACAGCAGTGG 600
Db 1450 GTTGGCTGGACGAGCATCTCTACGGTGCACCCGCAAGCTTAAACCCACAGCAGTGG 1509
Qy 601 GCGGAAAGTGTCTGTTCCAGAGGTGGAAGAAGATGAAGAGGAGATGAGGAGGACAGAAACC 660
Db 1510 GCGGAAAGTGTCTGTTCCAGAGGTGGAAGAAGATGAAGAGGAGATGAGGAGGACAGAAACC 1569
Qy 661 CATGTCCCTCTCAACACAAAGTGTGTTTGGCCCGGAGCCATCTGTAAACCAACCGCTGAC 720
Db 1570 CATGTCCCTCTCAACACAAAGTGTGTTTGGCCCGGAGCCATCTGTAAACCAACCGCTGAC 1629
Qy 721 ATCCAGGAAGAGTGGCCCGCTCTCAACAGATCTTTTGAAGAAAGGGGAATCTGATGATGA 780
Db 1630 ATCCAGGAAGAGTGGCCCGCTCTCAACAGATCTTTTGAAGAAAGGGGAATCTGATGATGA 1689
Qy 781 GTTTGACATGGATGAATCTGCTCCCAAGTTGACAGGTTAAAGATGAATAGCTTC 840
Db 1690 GTTTGACATGGATGAATCTGCTCCCAAGTTGACAGGTTAAAGATGAATAGCTTC 1749

QY 841 TCCAGGTACAGTTCAAAACGCTACCAACGAGGAAAAGTCAGGGCCGGGCTCCAGCTG 900
DB 1750 TCCAGGTACAGTTCAAAACGCTACCAACGAGGAAAAGTCAGGGCCGGGCTCCAGCTG 1809
QY 901 CAGTAGTTCCGGAGACAGGATGATGATTTCTGAAAGCCGGCGGGCTCGATAAAGATAG 960
DB 1810 CAGTAGTTCCGGAGACAGGATGATGATTTCTGAAAGCCGGCGGGCTCGATAAAGATAG 1869
QY 961 CGGGTTCACTTACTCTCTGGGACCGGAGGATAGCAGGAGGGGCCCTTGGGAGTAGGG 1020
DB 1870 CGGGTTCACTTACTCTCTGGGACCGGAGGATAGCAGGAGGGGCCCTTGGGAGTAGGG 1929
QY 1021 GAGTGGCGGGGCCAGAGCAAGCCGAGCAATGCCAGTGGAGGGGTGGACAAGGCCAGCCC 1080
DB 1930 GAGTGGCGGGGCCAGAGCAAGCCGAGCAATGCCAGTGGAGGGGTGGACAAGGCCAGCCC 1989
QY 1081 CAGTAGAACAATGCTGGTGGGGGAGTCCCTCCAGCGGCTCGGGTGGCAACCCCAACAA 1140
DB 1990 CAGTAGAACAATGCTGGTGGGGGAGTCCCTCCAGCGGCTCGGGTGGCAACCCCAACAA 2049
QY 1141 TACATCGGGTACACACGGCGCTGTGCGGGCCCGCAGCAACTCCATGACGTGGGCTCTCG 1200
DB 2050 TACATCGGGTACACACGGCGCTGTGCGGGCCCGCAGCAACTCCATGACGTGGGCTCTCG 2109
QY 1201 CAGTGTGGGAGCTCGTTGAGAGCCTCAAACTCATGAGCCTCTGCTCGGCTCCAGCT 1260
DB 2110 CAGTGTGGGAGCTCGTTGAGAGCCTCAAACTCATGAGCCTCTGCTCGGCTCCAGCT 2169
QY 1261 TCATGGGAGCACCAAGTACATTTATGATCCACAGAATGGCTGTGATTTTCCAGTGTGAA 1320
DB 2170 TCATGGGAGCACCAAGTACATTTATGATCCACAGAATGGCTGTGATTTTCCAGTGTGAA 2229
QY 1321 AGTCCAAGAAATCTACGTGGAAAATGTGCAATTAGCTTCCACAGGGAATGCAGGGCAGGT 1380
DB 2230 AGTCCAAGAAATCTACGTGGAAAATGTGCAATTAGCTTCCACAGGGAATGCAGGGCAGGT 2289
QY 1381 CCCTGAGTGGGGGAGTAAAGTTTTCTCTGACCATGGCAGATACACCACTCAAT 1440
DB 2290 CCCTGAGTGGGGGAGTAAAGTTTTCTCTGACCATGGCAGATACACCACTCAAT 2349
QY 1441 GGAACGGATAAGAGCAAGAACCTGAAAAATAACGTGTGACGTACCTCTGCGAAAA 1500
DB 2350 GGAACGGATAAGAGCAAGAACCTGAAAAATAACGTGTGACGTACCTCTGCGAAAA 2409
QY 1501 GACCATCTCTGTGAAACATCCAGCGGAACCTTAAGAGGGGCTGCTGTGGCATCCAGCCC 1560
DB 2410 GACCATCTCTGTGAAACATCCAGCGGAACCTTAAGAGGGGCTGCTGTGGCATCCAGCCC 2469
QY 1561 AGCCAGCTGTGCCATGTCTGACCTGTGGCCCACTCTGGCCGCTAGCACGCTTCTGTC 1620
DB 2470 AGCCAGCTGTGCCATGTCTGACCTGTGGCCCACTCTGGCCGCTAGCACGCTTCTGTC 2529
QY 1621 TCAGAGCAGTGAAGACCGGCTCACTTCACTGTGTTCCATTTGGTTTACTATTTAAAGTGG 1680
DB 2530 TCAGAGCAGTGAAGACCGGCTCACTTCACTGTGTTCCATTTGGTTTACTATTTAAAGTGG 2589
QY 1681 CGGTTAGAGCAATATTTATTAACCTTTCACTTTGTTGGCTGATGATGACATATGTCAT 1740
DB 2590 CGGTTAGAGCAATATTTATTAACCTTTCACTTTGTTGGCTGATGATGACATATGTCAT 2649
QY 1741 GGTCTTTGTGATCTGTAGACATTTTCTTCCAGCCGAAAAAGCTATTATGTAATT 1800
DB 2650 GGTCTTTGTGATCTGTAGACATTTTCTTCCAGCCGAAAAAGCTATTATGTAATT 2709
QY 1801 TTTTACATTCATAATTTTAAATGTGATGATCAGGATTTAAATCAAGATATATCTGGAACC 1860
DB 2710 TTTTACATTCATAATTTTAAATGTGATGATCAGGATTTAAATCAAGATATATCTGGAACC 2769
QY 1861 TCTTTAATAGGAGCACTTGAATAATTTGTTGTTCTGCACTTAACCTTAGAGAGAGAAAAA 1920
DB 2770 TCTTTAATAGGAGCACTTGAATAATTTGTTGTTCTGCACTTAACCTTAGAGAGAGAAAAA 2829
QY 1921 TGCTTTTCTTTGTGAAAAATCTGAATTTCTGTCTGACCTTCTGTGATGTGGAACCCCTA 1980

DB 2830 TGCTTTTCTTTGTGAAAAATCTGAATTTCTGTCTCTGACCTTCTGTGTGATGTGGAACCCCTA 2889
QY 1981 GGCTCTGAGACACACTCTCTGTGTGTGTGAGACAGAACCAAGCAATAAGCTTGTGTATGCC 2040
DB 2890 GGCTCTGAGACACACTCTCTGTGTGTGTGAGACAGAACCAAGCAATAAGCTTGTGTATGCC 2949
QY 2041 CACAGSCCTGGAGCGAGCTAGCGACTTGTGTGCGGCCAGCTCTCATGGCCCGTGCAGAG 2100
DB 2950 CACAGSCCTGGAGCGAGCTAGCGACTTGTGTGCGGCCAGCTCTCATGGCCCGTGCAGAG 3009
QY 2101 CAGAGSACAGTCAAGTGTCTGCACTGAGAACCTTTAAACCAAGTGAACATACCCACCT 2160
DB 3010 CAGAGSACAGTCAAGTGTCTGCACTGAGAACCTTTAAACCAAGTGAACATACCCACCT 3069
QY 2161 GTTTGTCTTAAGCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAAG 2220
DB 3070 GTTTGTCTTAAGCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAAG 3129
QY 2221 ATTTCTCTTGTGTGTATAGGTAGATAAAGTACTTATAGATTTATAAGGCAGCTTCCCCT 2280
DB 3130 ATTTCTCTTGTGTGTATAGGTAGATAAAGTACTTATAGATTTATAAGGCAGCTTCCCCT 3189
QY 2281 GTAGTATATAAATACAAAGCAGACAATCTTATTTTGTATGTGATGAAGTATGATGCTTT 2340
DB 3190 GTAGTATATAAATACAAAGCAGACAATCTTATTTTGTATGTGATGAAGTATGATGCTTT 3249
QY 2341 AACTCTTATAGAGAGTGTATGTCTGTCTAAACAGAAAAAGATGCTCTGTGTAAATTC 2400
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QY 2401 CTTCTGTAGGCGACACTGCAGGATTTCCATGTAGATAGAAGAACTATATAGGCGCTAGTAC 2460
DB 3310 CTTCTGTAGGCGACACTGCAGGATTTCCATGTAGATAGAAGAACTATATAGGCGCTAGTAC 3369
QY 2461 AGAAGTGCACACAAATGTTGGCAAGTC-AAAACCCATGAATTTAAAACTCTAGGAATT 2519
DB 3370 AGAAGTGCACACAAATGTTGGCAAGTC-AAAACCCATGAATTTAAAACTCTAGGAATT 3429
QY 2520 TGGTTTTTAGGAGTTGGTAAATAGATTTATCTCTTTTGTATTTTTCATTTCAGTTATATCC 2579
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DB 3490 TTTGGCTCAGCTAGCTTTTGAAATTTGGCTGATGAAAAATATACATAAAGGGTAAAAATTC 3549
QY 2640 ACACATACAGCAACAAAAATGCACAAAGCCTGCTTCTGTAACCTTTTTTTCTGGAATTTGT 2699
DB 3550 ACACATACAGCAACAAAAATGCACAAAGCCTGCTTCTGTAACCTTTTTTTCTGGAATTTGT 3609
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QY 2760 CTGTACAAAGACTGTTTTTGGACCAAGATAATCATCTGTGTGGCATTTCTATCTGTAGGAC 2819
DB 3670 CTGTACAAAGACTGTTTTTGGACCAAGATAATCATCTGTGTGGCATTTCTATCTGTAGGAC 3729
QY 2820 ACTGTATATTGCAAAATGCTGATTTATGGAAGGGCCAGTTGCTGTTTTTTCATGCAAGTGC 2879
DB 3730 ACTGTATATTGCAAAATGCTGATTTATGGAAGGGCCAGTTGCTGTTTTTTCATGCAAGTGC 3789
QY 2880 CTTGGAGTCTTAAAGCAGTGTCTTAGCAACATTTGGTGTATAGCATGTGGCTGGAGCCAG 2939
DB 3790 CTTGGAGTCTTAAAGCAGTGTCTTAGCAACATTTGGTGTATAGCATGTGGCTGGAGCCAG 3849
QY 2940 GGCCCTTCCCACTCTTTCAGCCCCGAGTCAATGTCTGAGGTGACGAGCTGAGACGCATC 2999
DB 3850 GGCCCTTCCCACTCTTTCAGCCCCGAGTCAATGTCTGAGGTGACGAGCTGAGACGCATC 3909
QY 3000 TGTCTCTGTAATTCAGAGAGTGGGCAATCACAAAGAACTGCAATTCGTGCTGTGCTACTGT 3059

Db 3910 TGGTCCTGTAATTCAGAGAGTGGGCACATCACCAAGAACTGCATTGCTGTGGTCACTGT 3969
Qy 3060 TTCTTCAAGTACACACTGCTCTCTACTTTAGGATAAATATATTTTACTCAGAACTCTG 3119
Db 3970 TTCTTCAAGTACACACTGCTCTCTACTTTAGGATAAATATATTTTACTCAGAACTCTG 4029
Qy 3120 AATTTCACAGTATCTTACTTAACTAAGTAAATATGATCTTAAATACTTATTTTACTT 3179
Db 4030 AATTTCACAGTATCTTACTTAACTAAGTAAATATGATCTTAAATACTTATTTTACTT 4089
Qy 3180 TCTAGACCTAGGCTAGATGTTTTAAGCTACAGCTCTAGTTTCATTGTGATATTTTATAATTT 3239
Db 4090 TCTAGACCTAGGCTAGATGTTTTAAGCTACAGCTCTAGTTTCATTGTGATATTTTATAATTT 4149
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Db 4210 AGCAGGATCTTATAAAGGCGCAGAAATAGATGTGGTTTCACATAGATAGTGAAGCTA 4269
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Qy 3420 GCAGCTGTTTTCAAGCAGTGAATAACTTTTTCTGTGATATATGATAGCTTTGGAATG 3479
Db 4330 GCAGCTGTTTTCAAGCAGTGAATAACTTTTTCTGTGATATATGATAGCTTTGGAATG 4389
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Db 4390 GCACCTTTTAACATACCATATGTGTTGGTTCAATGGTTTTTATATTCAGATGATA 4449
Qy 3540 TATGGTGCTCACTTTAGGATCAGCAGTGTGACCATTTATGCTCATAGCTGTATTTATAG 3599
Db 4450 TATGGTGCTCACTTTAGGATCAGCAGTGTGACCATTTATGCTCATAGCTGTATTTATAG 4509
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Db 4510 CTTTATATGTTGTGTGACCTTGGGGTATACAAATGTCAGTCTGA 4558

RESULT 8

US-09-925-302-242
; Sequence 242, Application US/09925302
; Patent No. US2002004941A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA104
; CURRENT APPLICATION NUMBER: US/09/925,302
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05918
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 896
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 242
; LENGTH: 3276
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (125)
; OTHER INFORMATION: n equals a.t.g, or c
; NAME/KEY: misc feature
; LOCATION: (455)
; OTHER INFORMATION: n equals a.t.g, or c
; NAME/KEY: misc feature
; LOCATION: (1014)
; OTHER INFORMATION: n equals a.t.g, or c

; NAME/KEY: misc feature
; LOCATION: (3276)
; OTHER INFORMATION: n equals a.t.g, or c
US-09-925-302-242

Query Match 76.2%; Score 3174.6; DB 9; Length 3276;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 3237; Conservative 8; Mismatches 4; Indels 6; Gaps 6;
Qy 913 GACCAGTGATGATGATTTCTGAAGCGCGCGGCTCGATGAAGATAGCGGTTTCACTTA 972
Db 2 GACTAGTGATGATGATTTCTGAAGCGCGCGGCTCGATGAAGATAGCGGTTTCACTTA 61
Qy 973 CTCTGTCACCGACGGGATAGCAGCGAGGGGCCCCCTGGCAGTGGGGGATGGCGGGG 1032
Db 62 CTCTGTCACCGACGGGATAGCAGCGAGGGGCCCCCTGGCAGTGGGGGATGGCGGGG 121
Qy 1033 CCAGAGCAAGCGCGAGCAATGCCAGTGGAGGGGTGGCAAGCCAGCCAGCCAGTGAGAACAA 1092
Db 122 CCANAGCAAGCCCAAGCAATGCCAGTGGAGGGGTGGCAAGCCAGCCAGCCAGTGAGAACAA 181
Qy 1093 TGCTGGTGGGGCAGTCCCTCCAGCGGCTCGGGTGGCAACCCACCAATATACATCGGGTAC 1152
Db 182 TGCTGGTGGGGCAGTCCCTCCAGCGGCTCGGGTGGCAACCCACCAATATACATCGGGTAC 240
Qy 1153 CACACGCGCTGTGTCGGGCCCCCAGCAACTCCATGACGTGGCCTCTCGCAGTGTGGGGG 1212
Db 241 CACACGCGCTGTGTCGGGCCCCCAGCAACTCCATGACGTGGCCTCTCGCAGTGTGGGGG 300
Qy 1213 GCTCGTTGAGAGCTTAACTCATGAGCCTCTGCTGGCTCCAGCTTCCAGCTTCAATGGGAGCAC 1272
Db 301 GCTCGTTGAGAGCTTAACTCATGAGCCTCTGCTGGCTCCAGCTTCCAGCTTCAATGGGAGCAC 360
Qy 1273 CAAGTACATTTATGATCCAGAAATGGCTTGTCAATTTCCAGTGTGAAAGTCCAAAGAA 1332
Db 361 CAAGTACATTTATGATCCAGAAATGGCTTGTCAATTTCCAGTGTGAAAGTCCAAAGAA 420
Qy 1333 ATCTAGCTGGAAATGTGCAATTAGCTTCCAGGGAATGACAGGGCAGCTCCCTGCAGTGGG 1392
Db 421 ATCTAGCTGGAAATGTGCAATTAGCTTCCAGGGAATGACAGGGCAGCTCCCTGCAGTGGG 479
Qy 1393 CGGCATAAAGTTTTTCTGACCACTGGCAGATACCACTCACTGAATGGAAACGGATAAA 1452
Db 480 CGGCATAAAGTTTTTCTGACCACTGGCAGATACCACTCACTGAATGGAAACGGATAAA 539
Qy 1453 GAGCAAGAACCTGAAATAAATACCTGTGCGAGCTACCTCTGCGGAAAGACCACTCTCTGT 1512
Db 540 GAGCAAGAACCTGAAATAAATACCTGTGCGAGCTACCTCTGCGGAAAGACCACTCTCTGT 599
Qy 1513 GAAACATCCAGCGGAACCCCTAAGGAGGGGCTGCTGTGCGCATCCAGCCAGCCAGCTGTG 1572
Db 600 GAAACATCCAGCGGAACCCCTAAGGAGGGGCT-CTGTGCGCATCCAGCCAGCCAGCTGTG 658
Qy 1573 CCATGTCACTGACTGTGGCCCATCTGGCCGCTAGCACGCTTCTGCTCAGAGCAGTGA 1632
Db 659 CCATGTCACTGACTGTGGCCCATCTGGCCGCTAGCACGCTTCTGCTCAGAGCAGTGA 718
Qy 1633 AGACCGGCTCACCTTCACTGTTTCCATTTGTTTACTATTTTAAAGTGGGGTGTAGGAGCA 1692
Db 719 AGACCGGCTCACCTTCACTGTTTCCATTTGTTTACTATTTTAAAGTGGGGTGTAGGAGCA 778
Qy 1693 ATTATTTATTTACCTTTTCCATTTGTTTCCCTGTGATGTGACAAATGATGCTTTTGTGCA 1752
Db 779 ATTATTTATTTACCTTTTCCATTTGTTTCCCTGTGATGTGACAAATGATGCTTTTGTGCA 838
Qy 1753 TGCTGTAGACACTTTTCTTTCCAGCGGAAAGCCATATTTATTTTATTTTACATTCATA 1812
Db 839 TGCTGTAGACACTTTTCTTTCCAGCGGAAAGCCATATTTATTTTATTTTACATTCATA 898
Qy 1813 ATTTTAAATGTTGGATGATCAGGATTAATCAAGATATATATCTGGAACTCTTATAATGG 1872
Db 899 ATTTTAAATGTTGGATGATCAGGATTAATCAAGATATATATCTGGAACTCTTATAATGG 958

1873 AGCACTTAGAAATTTGTTGTTCTGCACCTTAACCTAGAGAGAGAAAAATGCTTTT - CTTT 1931
1932 GTGAAAAATCTGAATTCCTGCTCCTGACCTTCTGTGATGTGGAAACCTTAGGCTCTGAGAC 1991
1019 GTGAAAAATCTGAATTCCTGCTCCTGACCTTCTGTGATGTGGAAACCTTAGGCTCTGAGAC 1078
1992 ACACCTCTGGTGTCTGAGACAGAAACAAAGCAATAACGTTGTGATGCCACAGGCTCG 2051
1079 ACACCTCTGGTGTCTGAGACAGAAACAAAGCAATAACGTTGTGATGCCACAGGCTCG 1138
2052 AGCCAGCTAGCAGCTTGTGCCGCCAGCTGTCATGCGCCGTGCGAGAGCAGAGGACAGT 2111
1139 AGCCAGCTAGCAGCTTGTGCCGCCAGCTGTCATGCGCCGTGCGAGAGCAGAGGACAGT 1198
2112 GAGTGTCTGCACCTGAGAACCTTAAACCAACAGTTGAAACATACCAACACCTGTTTGTCTTAA 2171
1199 GAGTGTCTGCACCTGAGAACCTTAAACCAACAGTTGAAACATACCAACACCTGTTTGTCTTAA 1258
2172 GCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAAGATTTCCCTGTT 2231
1259 GCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAAGATTTCCCTGTT 1318
2232 TTTGTAATAGGTGAGATTAAGTACTTAGATTTTAAAGGCGAGCTTCCCTGTAGTGATAAA 2291
1319 TTTGTAATAGGTGAGATTAAGTACTTAGATTTTAAAGGCGAGCTTCCCTGTAGTGATAAA 1378
2292 TTAACAAGCAGACAATCTTATTTTGTAAATGTGATGAAAGTGATGTCTTAACTCTACTTA 2351
1379 TTAACAAGCAGACAATCTTATTTTGTAAATGTGATGAAAGTGATGTCTTAACTCTACTTA 1438
2352 GAGAGTGTATGTCTGTCTAAACAGAAACAAAGAGTCTCTGTGTAAATTCCTTCCCTGAG 2411
1439 GAGAGTGTATGTCTGTCTAAACAGAAACAAAGAGTCTCTGTGTAAATTCCTTCCCTGAG 1498
2412 GCACACTGAGGATTTCCATGTAGATAGAAAGACTATAGGCCCTAGTACAGAAGGTGCAC 2471
1499 GCACACTGAGGATTTCCATGTAGATAGAAAGACTATAGGCCCTAGTACAGAAGGTGCAC 1558
2472 ACAAAATGTTGGCAAGTC - AAACCCCATGAATTTAAACCTTACTGGAATTTGGTTTTAGG 2530
1559 ACAAAATGTTGGCAAGTC - AAACCCCATGAATTTAAACCTTACTGGAATTTGGTTTTAGG 1618
2531 AGTTGGTAATAGATATATCTTTTGTGTTATTTTCAATGATATATCTTTGGCTCAGC 2590
1619 AGTTGGTAATAGATATATCTTTTGTGTTATTTTCAATGATATATCTTTGGCTCAGC 1678
2591 TAGCTTTGAAATTTGGCTGATGAAAAAATATACATAAAGGCTAAATTCACACATACAGC 2650
1679 TAGCTTTGAAATTTGGCTGATGAAAAAATATACATAAAGGCTAAATTCACACATACAGC 1738
2651 AAACAAAAATGCAAAAGCCTGCTCGTAACTTTTTTTTCTGGAATTTGTTTTCACTTTG 2710
1739 AAACAAAAATGCAAAAGCCTGCTCGTAACTTTTTTTTCTGGAATTTGTTTTCACTTTG 1798
2711 CTTTTTCTCCAAAAACAAATAACAAAGAACTCTGCTTTAACTTCTGCTGACAAAGA 2770
1799 CTTTTTCTCCAAAAACAAATAACAAAGAACTCTGCTTTTAACTTCTGCTGACAAAGA 1858
2771 CTGTTTTGACACAGATAATCATCTGTTGTGGCACTTCTATCTGTAGGACACTGTATATTG 2830
1859 CTGTTTTGACACAGATAATCATCTGTTGTGGCACTTCTATCTGTAGGACACTGTATATTG 1918
2831 CAAATGCTGATTAAGGAAGGCGCAGTTGCTGTTTTTTTCAAGCAGTGCCTGGAGTCT 2890
1919 CAAATGCTGATTAAGGAAGGCGCAGTTGCTGTTTTTTTCAAGCAGTGCCTGGAGTCT 1978
2891 TAAAGCAGTCTTAGCAACATTTGGTGATAGCATGGCTGGGACCCAGGGCCCTTCCCC 2950
1979 TAAAGCAGTCTTAGCAACATTTGGTGATAGCATGGCTGGGACCCAGGGCCCTTCCCC 2038
2951 ACTCTTCAGCCCGAGTCATGTGTCTCAGGTGACGGACTGAGACGCAATCTGGTCTGTAA 3010

2039 ACTCTTCAGCCCGAGTCATGTGTCTGAGGTGACGCACTGAGACGCACTGCTGCTGTAA 2098
3011 TTCAGAGAGTGGGCAATCACCACAAAGAACTGCAATGCTGTGCTGCTGCTTCAAGTA 3070
2099 TTCAGAGAGTGGGCAATCACCACAAAGAACTGCAATGCTGTGCTGCTGCTTCAAGTA 2158
3071 CACACTGACTGCTGCTACTTTTAGGATAAATATATATTTTACTCAGAACTCTGAAATTCACAGT 3130
2159 CACACTGACTGCTGCTACTTTTAGGATAAATATATATTTTACTCAGAACTCTGAAATTCACAGT 2218
3131 ATACTTTACTTAAACTAAGTAAAAATGATCTTAAAAATCTTATTTTACTTTCTAGACCTAG 3190
2219 ATACTTTACTTAAACTAAGTAAAAATGATCTTAAAAATCTTATTTTACTTTCTAGACCTAG 2278
3191 GCTAGATGTTTTAAGCTACAGCTCTAGTTCATTTGTGATATTTATTAATTTTGAAGCTATGA 3250
2279 GCTAGATGTTTTAAGCTACAGCTCTAGTTCATTTGTGATATTTATTAATTTTGAAGCTATGA 2338
3251 GAATAGATGTTGGGTGAAGCCATAGAACATATTTGCTTGAATTTCTTCAGCAGGAGTCT 3310
2339 GAATAGATGTTGGGTGAAGCCATAGAACATATTTGCTTGAATTTCTTCAGCAGGAGTCT 2398
3311 TATAAGGGCCAGAAATAGATGTGTGGTTCTCATAGATAGTGAAGCTAACATCTGTATTT 3370
2399 TATAAGGGCCAGAAATAGATGTGTGGTTCTCATAGATAGTGAAGCTAACATCTGTATTT 2458
3371 AAACATAGAGAGAGAGTATTAAAGGGCAATGGCAATAAACTCTTTGTTGCGAGCTGTTTT 3430
2459 AAACATAGAGAGAGAGTATTAAAGGGCAATGGCAATAAACTCTTTGTTGCGAGCTGTTTT 2518
3431 CCAAGCAGTGAATACTTTTTTCTGTGATATGTATAGCTTGAATGGCAGCTTTTAA 3490
2519 CCAAGCAGTGAATACTTTTTTCTGTGATATGTATAGCTTGAATGGCAGCTTTTAA 2578
3491 CTAACCCATATGTGTTGGTTTTCAATGGTTTTTATTTATTTAGATGTATATATGGTCTCA 3550
2579 CTAACCCATATGTGTTGGTTTTCAATGGTTTTTATTTATTTAGATGTATATATGGTCTCA 2638
3551 CTTTAGGATCAGCAGTGTGGACCTTTATGCTGCATAGCTGTATTTAGCCTTATTAGTT 3610
2639 CTTTAGGATCAGCAGTGTGGACCTTTATGCTGCATAGCTGTATTTAGCCTTATTAGTT 2698
3611 GTGTGTTGACCCCTTGGGCTATACAAATGCTCAGTGTGAGTGGTGTCTTACTCTTTGTTTT 3670
2699 GTGTGTTGACCCCTTGGGCTATACAAATGCTCAGTGTGAGTGGTGTCTTACTCC - TTGKTT 2757
3671 ATAAGTGAATGATTTGTCATGTTTTGTATGTCTATAGTATGTCTGCATATAAAGGAGGG 3730
2758 ATAAGTGAATGATTTGTCATGTTTTGTATGTCTATAGTATGTCTGCATATAAAGGAGGG 2817
3731 AGGAAAAACCAATTAAGATAATATTTGAACCAACTACTTACTTCTCTAAACAGT 3790
2818 AGGAAAAACCAATTAAGATAATATTTGAACCAACTACTTACTTCTCTAAACAGT 2877
3791 TACTTGTACCCCTTAACTGCTTCAAAAGTTGCATATAGTTTACAGTGTGTATAAATTA 3850
2878 TACTTGTACCCCTTAACTGCTTCAAAAGTTGCATATAGTTTACAGTGTGTATAAATTA 2937
3851 AATATTGTGGAAAAACAGTCTTGTATTTTTTCTGTATGTGTGTATATATATAATTTATGT 3910
2938 AATATTGTGGAAAAACAGTCTTGTATTTTTTCTGTATGTGTGTATATATATAATTTATGT 2997
3911 ACTTCTGGCAATTTCTATCTGTATTTAAGATGTGCAATCTTTGACACCAATTTTAAAGAT 3970
2998 ACTTCTGGCAATTTCTATCTGTATTTAAGATGTGCAATCTTTGACACCAATTTTAAAGAT 3057
3971 AGCTGTGAGACCGAAATTAAGATAATCCCTTACCAAGTGAATAATGTGTGTAAAGG 4030
3058 AGCTGTGAGACCGAAATTAAGATAATCCCTTACCAAGTGAATAATGTGTGTAAAGG 3117
4031 GTACAGAAATTAACACTGATTTGGTTCAGTTGCTTCAATGCTGTGTTGATTTTCCCTCATTTG 4090

Db 3118 GTACAGAAATTAACACTGATTGGTCAGTTGGCTTCCAAATGCTGTTGATTTCCTCATTTG 31177
Qy 4091 TGTAAACATTGACAGGTATGTGACAAATGGGAAAAAATCCAAATTAATAAGTGCACATA 4150
Db 3178 TGTAAACATTGACAGGTATGTGACAAATGGGAAAAAATCCAAATTAATAAGTGCACATA 3237
Qy 4151 TTGGTGTTCAGCAAT 4165
Db 3238 TTGGTGTTCAGCAAT 3252

RESULT 9
US-09-925-302-242
; Sequence 242, Application US/09925302
; Publication No. US20030064072A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA104
; CURRENT APPLICATION NUMBER: US/09/925,302
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05918
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 896
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 242
; LENGTH: 3276
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (125)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (455)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1014)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (3276)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-302-242

Query Match 76.2%; Score 3174.6; DB 10; Length 3276;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 3237; Conservative 8; Mismatches 4; Indels 6; Gaps 6;

Qy 913 GACAGTGTATGATGATTTCTGAAAGCGCGCGCGCTCGATAAAGATAGCGGGTTCCACCTA 972
Db 2 GACTAGTGTATGATGATTTCTGAAGCGCGCGCGCTCGATAAAGATAGCGGGTTCCACCTA 61
Qy 973 CTCCTGGCACCGACGGGATAGCAGAGGGGGCCCCCTGTGCAAGTGAAGGGGATCGCGGGG 1032
Db 62 CTCCTGGCACCGACGGGATAGCAGAGGGGGCCCCCTGTGCAAGTGAAGGGGATCGCGGGG 121
Qy 1033 CCAGAGCAGCCGAGCAATGCCAGTGAAGGGGTGGACAGGCCAGCCCAAGTGCAGAACAA 1092
Db 122 CCNAGCAGCCAGCAATGCCAGTGAAGGGGTGGACAGGCCAGCCCAAGTGCAGAACAA 181
Qy 1093 TGCTGTGGGGGCGAGTCCCTCCAGCGGCTCGGGTGGCAACCCCAACCAATACATCGGGTAC 1152
Db 182 TGCTGTGGGGGCGAGTCCCTCCAGCGGCTCGGGTGGCAA-CCCAACCAATACATCGGGTAC 240
Qy 1153 CACAGCGGCTGTGCGGGCCCCAGCAACTCCATGCAAGTGGCTCTTCGCAAGTGTGCGGGA 1212
Db 241 CACAGCGGCTGTGCGGGCCCCAGCAACTCCATGCAAGTGGCTCTTCGCAAGTGTGCGGGA 300
Qy 1213 GCTCGTTGAGAGCCTCAAACTCATGAGCCTCTGCCTCGGCTCCGCTTCATCGGAGCAC 1272
Db 301 GCTCGTTGAGAGCCTCAAACTCATGAGCCTCTGCCTCGGCTCCGAGCTTCATCGGAGCAC 360

Qy 1273 CAAGTACATTATTTGATCCACAGAAATGGCTTGTTCATTTTCCAGTGTGAAAGTCCAAGGAA 1332
Db 361 CAAGTACATTATTTGATCCACAGAAATGGCTTGTTCATTTTCCAGTGTGAAAGTCCAAGGAA 420
Qy 1333 ATCTAGCTGGAAATGTGANTTAGCTCCACAGGAATGAGGGCAGGTCTCCGCAAGTGGG 1392
Db 421 ATYTACGTGGAAATGTGANTTAGCTCCACAGGAGNATGCAAGGCGAGGTCCCT-CAGTGGG 479
Qy 1393 CGGCATAAAAGTTTTTCTCTGACCACATGGCAGATACCCACCCTGAATTTGGAACGGATAAA 1452
Db 480 CGGCATAAAAGTTTTTCTCTGACCACATGGCAGATACCCACCCTGAATTTGGAACGGATAAA 539
Qy 1453 GAGCAAGAACTCGAAAAATAAAGTGTGACGTACCTCTGTGCGAAAGAACCAATCTCTGT 1512
Db 540 GAGCAAGAACTCGAAAAATAAAGTGTGACGTACCTCTGTGCGAAAGAACCAATCTCTGT 599
Qy 1513 GAACATCCAGCGGAACCCCTAAGGAGGGGCT-CTGTGGCATCCAGCCAGCCAGCTGTG 1572
Db 600 GAACATCCAGCGGAACCCCTAAGGAGGGGCT-CTGTGGCATCCAGCCAGCCAGCTGTG 658
Qy 1573 CCATGTCTGCTGACTGTGGCCCATCTGGCCGCTAGCAGCTTCCCTGCTCAGAGCAGTGA 1632
Db 659 CCATGTCTGCTGACTGTGGCCCATCTGGCCGCTAGCAGCTTCCCTGCTCAGAGCAGTGA 718
Qy 1633 AGACCGGCTCACTTCACTGTTCATTTGGTCTTATTTTAAAGTGGGCGTTAGGAGCA 1692
Db 719 AGACCGGCTCACTTCACTGTTCATTTGGTCTTATTTTAAAGTGGGCGTTAGGAGCA 778
Qy 1693 ATTATTTATTTACCTTTCCATTTGTTGCGCTGATGATGTGCAATGATGCTTTGTGCA 1752
Db 779 ATTATTTATTTACCTTTCCATTTGTTGCGCTGATGATGTGCAATGATGCTTTGTGCA 838
Qy 1753 TGCTGTGACACACTTTTCTTCCAGCGGAAAGCTTATTTGTAATTTTACATTCATA 1812
Db 839 TGCTGTGACACACTTTTCTTCCAGCGGAAAGCTTATTTGTAATTTTACATTCATA 898
Qy 1813 ATTTTAATGTGGATGATCAGGATTAATCAAGATATATATCTGGAACCTCTTATAATGG 1872
Db 899 ATTTTAATGTGGATGATCAGGATTAATCAAGATATATATCTGGAACCTCTTATAATGG 958
Qy 1873 AGCAGTTAGAAATTTGTTGTTCTGCACTTAACCTAGAGAGAGAAAAAGTCTTTT-CTTT 1931
Db 959 AGCAGTTAGAAATTTGTTGTTCTGCACTTAACCTAGAGAGAGAAAAAGTCTTTTNCCTT 1018
Qy 1932 GTGAAAAATCTGAATTCCTGCTGACCTTCTGTGATGTGGAACCTCTAGCTCTGAGAC 1991
Db 1019 GTGAAAAATCTGAATTCCTGCTGACCTTCTGTGATGTGGAACCTCTAGCTCTGAGAC 1078
Qy 1992 ACACTCTCTGGTGTCTGAGACAGAACCAAGCAATAACGTTGTGATGCCCAAGGCTCGG 2051
Db 1079 ACACTCTCTGGTGTCTGAGACAGAACCAAGCAATAACGTTGTGATGCCCAAGGCTCGG 1138
Qy 2052 AGCAGCTAGCACTTTGTTGTCGCGCCAGCTGTCCATGGCCCGTGCAGAGAGAGGACAGT 2111
Db 1139 AGCAGCTAGCACTTTGTTGTCGCGCCAGCTGTCCATGGCCCGTGCAGAGAGAGGACAGT 1198
Qy 2112 GAGTGTCTGACCTGAGAACCTTAAACACAGTTTGAACATACCACACCTGTTTGTCTTAA 2171
Db 1199 GAGTGTCTGACCTGAGAACCTTAAACACAGTTTGAACATACCACACCTGTTTGTCTTAA 1258
Qy 2172 GCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAAGATTTCTTTGTT 2231
Db 1259 GCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAAGATTTCTTTGTT 1318
Qy 2232 TTGTGTAATAGGTAGATAAAGTACTTAGATTTTAAAGGCGAGCTTCCCTGTAGTATAAA 2291
Db 1319 TTGTGTAATAGGTAGATAAAGTACTTAGATTTTAAAGGCGAGCTTCCCTGTAGTATAAA 1378
Qy 2292 TTACAGCAGACAACTCTTATTTTGTAAATGTGATGAAGTATGATGCTTAACTCTACTTA 2351
Db 1379 TTACAGCAGACAACTCTTATTTTGTAAATGTGATGAAGTATGATGCTTAACTCTACTTA 1438

Qy	2352	GAGAGTGTATGTCGTCTAAACAGAACAAAAGATGCTCTGTGTAATAATTCCTTCCTGTAGG	2411
Db	1439	GAGAGTGTATGTCGTCTAAACAGAACAAAAGATGCTCTGTGTAATAATTCCTTCCTGTAGG	1498
Qy	2412	GCACACTGCAGGATTTCCATGTAGATAGAGNACTATAGGCGCTAGTACAGAGGTTGCAC	2471
Db	1499	GCACACTGCAGGATTTCCATGTAGATAGAGNACTATAGGCGCTAGTACAGAGGTTGCAC	1558
Qy	2472	ACAAATGTTGGCAAGTC-AAAACCCCATGAATTAATAAACCTTACTTGGAAATTTGGTTTTTAGG	2530
Db	1559	ACAAATGTTGGCAAGTCACAAAACCCCATGAATTAATAAACCTTACTTGGAAATTTGGTTTTTAGG	1618
Qy	2531	AGTTTGGTAATTAGATTTATCTCTTTTGTATTATTTCAATTCAGTTATATCCCTTTGGCTCAGC	2590
Db	1619	AGTTTGGTAATTAGATTTATCTCTTTTGTATTATTTCAATTCAGTTATATCCCTTTGGCTCAGC	1678
Qy	2591	TAGCTTTGAAATTTGGCTGATGAAAAAATATACATAAAAGGGTAAAAATTCACATACAGC	2650
Db	1679	TAGCTTTGAAATTTGGCTGATGAAAAAATATACATAAAAGGGTAAAAATTCACATACAGC	1738
Qy	2651	AAACAAAAATGSCACAAAGCCCTGCTTCGTAACTTTTTTTTCTCGAAATTTGTTTTTCACTTTG	2710
Db	1739	AAACAAAAATGSCACAAAGCCCTGCTTCGTAACTTTTTTTTCTCGAAATTTGTTTTTCACTTTG	1798
Qy	2711	CCTTTTTCTGCCAAAACAATAAACAAGAACTCTTGCTTTTAACTATTCCTGTACAAAGA	2770
Db	1799	CCTTTTTCTGCCAAAACAATAAACAAGAACTCTTGCTTTTAACTATTCCTGTACAAAGA	1858
Qy	2771	CTGTTTTTGACAGATAATCATCTGTTGTGGCATTCTATCTTTGTAGGACACTGTATATTG	2830
Db	1859	CTGTTTTTGACAGATAATCATCTGTTGTGGCATTCTATCTTTGTAGGACACTGTATATTG	1918
Qy	2831	CAAAATGCTGATTAATGAAGGGGCCAGTTCGTGTTTTTTTTCATGCAGTGCCTCGGAGTCT	2890
Db	1919	CAAAATGCTGATTAATGAAGGGGCCAGTTCGTGTTTTTTTTCATGCAGTGCCTCGGAGTCT	1978
Qy	2891	TAAAGCAGTGTCTTTAGCAACAATTTGGTGATAGCATGTGGCTGGGACCCAGGGCCCTTCCCC	2950
Db	1979	TAAAGCAGTGTCTTTAGCAACAATTTGGTGATAGCATGTGGCTGGGACCCAGGGCCCTTCCCC	2038
Qy	2951	ACTCTTCAGCCCCGAGTCATGTGCTCAGGTGACGGACTGAGAGGCACTGGTCTCTGTAA	3010
Db	2039	ACTCTTCAGCCCCGAGTCATGTGCTCAGGTGACGGACTGAGAGGCACTGGTCTCTGTAA	2098
Qy	3011	TTCCAGAGGTGGGCACATCAACCAAGAACTGCATTGCTGTGGTCACTGTTTCTTCAAGTA	3070
Db	2099	TTCCAGAGGTGGGCACATCAACCAAGAACTGCATTGCTGTGGTCACTGTTTCTTCAAGTA	2158
Qy	3071	CACACTGACTCTGCTACTTTTAGGATAAATAATATTTTACTCAGAACTCTGAATTTACAGT	3130
Db	2159	CACACTGACTCTGCTACTTTTAGGATAAATAATATTTTACTCAGAACTCTGAATTTACAGT	2218
Qy	3131	ATACCTTACTAACTTAAGTAAATAATGATACTTAAATACTTATTTTACTTCTTAGACCTAG	3190
Db	2219	ATACCTTACTAACTTAAGTAAATAATGATACTTAAATACTTATTTTACTTCTTAGACCTAG	2278
Qy	3191	GCTAGATCTTTTAAAGCTACAGCTCTAGTTCATTTCTGTGATATTTAATTTTCAAGGCTATGA	3250
Db	2279	GCTAGATCTTTTAAAGCTACAGCTCTAGTTCATTTCTGTGATATTTAATTTTCAAGGCTATGA	2338
Qy	3251	GAATAGATGTGTGGGTGAAGCCATAGAACATATTTGCTTCAAAATCTTTGAGCAGGGATCT	3310
Db	2339	GAATAGATGTGTGGGTGAAGCCATAGAACATATTTGCTTCAAAATCTTTGAGCAGGGATCT	2398
Qy	3311	TATAAAGGCCAGAAAAATAAGATGTGTGGTTACATAGATAGTGAGCGTAACTCTGTGATT	3370
Db	2399	TATAAAGGCCAGAAAAATAAGATGTGTGGTTACATAGATAGTGAGCGTAACTCTGTGATT	2458
Qy	3371	AAACATAGGAGAGAGTTTATAAAGGGCATTTGGCAATAAACTCTTTTCTGCAGCTGTTTT	3430
Db	2459	AAACATAGGAGAGAGTTTATAAAGGGCATTTGGCAATAAACTCTTTTCTGCAGCTGTTTT	2518
Qy	3431	CCAAAGCAGTGTAAAACTCTTTTCTCTGTGATTATGATATAGGCTTGGAAATGGCACTTTTAA	3490

[illegible]

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RESULT 10
US-10-108-260A-2237
; Sequence 2237, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20040005560A1el full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2237
; LENGTH: 1768
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-2237

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Query Match	23.1%	Score 962.4;	DB 17;	Length 1768;
Best Local Similarity	99.4%	Pred. No. 7.7e-243;		
Matches 966; Conservative	0;	Mismatches 6;	Indels	0;


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; TITLE OF INVENTION: Expressed in Cancer Tissue
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4185
; LENGTH: 505
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 482, 485, 503
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-4185

Query Match      9.8%; Score 409.6; DB 11; Length 505;
Best Local Similarity 97.0%; Pred.No. 4.4e-97;
Matches 460; Conservative 0; Mismatches 9; Indels 5; Gaps 4;

QY 3324 AAATAAGATGTGGTTTACATAGATAGTGAGCGTAAACATCTGTATTTAAACATAGGAGAG 3383
Db 469 AGAATAGATGTGGTTTACATAGATA-TGAGCGTAAACATCTGTATT-AAACATAGGAGAG 412

QY 3384 AGTTTATAAGGCGCATGGCAATAAACTCTTTGTTGCAGCTGTTTCCAGCAGTGTAA 3443
Db 411 AAGTTTAT-AAGGGCATTTGGCAATAACTC--TTTGTGCAGCTGTTTCCAGCAGTGTAA 355

QY 3444 ATACTTTTCTGTGATTATGTATAGCTTTGGAAATGSCACCTTTTAACTAAACCCATATGT 3503
Db 354 ATACTTTTCTGTGATTATGTATAGCTTTGGAAATGSCACCTTTTAACTAAACCCATATGT 295

QY 3504 GTTTGGTTTCAATGGTTTTTTATATTTCAGATGATATATATATGTTGCTCACCTTTAGGATCAGC 3563
Db 294 GTTTGGTTTCAATGGTTTTTTATATTTCAGATGATATATATGTTGCTCACCTTTAGGATCAGC 235

QY 3564 AGTTGTGACCATTTATGCTGCATAGCTGTTATTTATAGCTTTATTTAGTTGTTGTTGACCC 3623
Db 234 AGTTGTGACCATTTATGCTGCATAGCTGTTATTTATAGCTTTATTTAGTTGTTGTTGACCC 175

QY 3624 TTGGGGTATACAAATGTCAGTCTGAGTGGTGTCTTACTCTCTTTGTTTATTAAGTGAATGAT 3683
Db 174 TTGGGGTATACAAATGTCAGTCTGAGTGGTGTCTTACTCTCTTTGTTTATTAAGTGAATGAT 115

QY 3684 TGTGCATGTTTTGTATGTCATAGTATGTCGTCAATAAAAGGGAGGGAGCGGAAAAACCAT 3743
Db 114 TGTGCATGTTTTGTATGTCATAGTATGTCGTCAATAAAAGGGAGGGAGCGGAAAAACCAT 55

QY 3744 TACATTAAGATAATATTGGACCAAACTACTTACTTGTCTTAAACAGTACTTGT 3797
Db 54 TACATTAAGATAATATTGGACCAAACTACTTACTTGTCTTAAACAGTACTTGT 1
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RESULT 13
US-09-867-701-3627
; Sequence 3627, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3627
; LENGTH: 369
; TYPE: DNA
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; ORGANISM: Homo sapien
US-09-867-701-3627

Query Match      8.9%; Score 369; DB 9; Length 369;
Best Local Similarity 100.0%; Pred.No. 1.9e-86;
Matches 369; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3111 AGNACTCTCAATTTTCACAGTACTACTTAACTAACTAACTAACTAACTAACTAACTAACTAACT 3170
Db 1 AGNACTCTCAATTTTCACAGTACTACTTAACTAACTAACTAACTAACTAACTAACTAACTAACT 60

QY 3171 ATTTTACTTTTCTAGAGCTAGGCTAGATGTTTTAAAGCTACAGCTCTAGTTTCATTGTGATAT 3230
Db 61 ATTTTACTTTTCTAGAGCTAGGCTAGATGTTTTAAAGCTACAGCTCTAGTTTCATTGTGATAT 120

QY 3231 TTATTAATTTGAAAGCTATCAGAAATAGATGTGTGGTGAAGCCATAGAAATATTTGCTTG 3290
Db 121 TTATTAATTTGAAAGCTATCAGAAATAGATGTGTGGTGAAGCCATAGAAATATTTGCTTG 180

QY 3291 AAATTTCTTCAGCAGGATCTTATAAGGGCCAGAAATAAGATGTGTGGTTCACATAGATA 3350
Db 181 AAATTTCTTCAGCAGGATCTTATAAGGGCCAGAAATAAGATGTGTGGTTCACATAGATA 240

QY 3351 GTGAGCGTAAACATCTGTATTAAACATAGGAGAGAGTTTATAAAGGGCAATGGCAATAAA 3410
Db 241 GTGAGCGTAAACATCTGTATTAAACATAGGAGAGAGTTTATAAAGGGCAATGGCAATAAA 300

QY 3411 CTCTTTGTTGCGAGCTGTTTCCAGCAGTGAATACTTTTCTCTGTGATTATGTATAGC 3470
Db 301 CTCTTTGTTGCGAGCTGTTTCCAGCAGTGAATACTTTTCTCTGTGATTATGTATAGC 360

QY 3471 CTTGGAATG 3479
Db 361 CTTGGAATG 369

RESULT 14
US-09-969-347-122/c
; Sequence 122, Application US/09969347
; Patent No. US20020115085A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signat
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-69
; CURRENT APPLICATION NUMBER: US/09/969,347
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,598
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,604
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 318
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 122
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-969-347-122

Query Match      7.7%; Score 320; DB 9; Length 396;
Best Local Similarity 90.5%; Pred.No. 1.8e-73;
Matches 362; Conservative 21; Mismatches 13; Indels 4; Gaps 4;

QY 3766 AAATACTTACTTGTCTTAAACAGTACTTGTACCCCTTAACTGTCTTCAAAAGTTGCA 3825
Db 396 AAATACTTCTTCTTAAAGAG-TACTTGTGCCCTTAACTGTCTTCAAAAGGKCA 338

QY 3826 TATAGTTACAGTAGTGTATAAATTAATTTGGAATAACAGTCTTGTATTTTCTGTA 3885
Db 337 TATAGTTACAGTAGTGTATAAATTAATTTGGAATAACAGTCTTGTATTTTCTGTA 279

QY 3886 TGTGTGTATATATATAATTTATGTACTTCTGCAATTTCTATCTGTATTTAAAGATGTGA 3945
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Db 278 GTGGSVBAGABATATATAATATGTACTYCTGGCAADTCTAWCTGTATWTAAAGATGTGR 219
Qy 3946 CAATCTTGACACCAATTTTAAAGATAGCTGTGAGACCGAATTAAGATAATCCCTACCAA 4005
Db 218 CAATCTTGACACCAATTTTAAAGATAGCTGTGAGACCGRATT-AAGATAATCCCTACCAA 160
Qy 4006 GTGAAATTCATGTGCTTAAAGAGGGTACAGAAATATCAACTGATTTGGTCAGTTGCTTC 4065
Db 159 GTGAAATTCATGTGCTTAAAGAGGGTACAGAAATATCAACTGATTTGGTCAGTTGCTTC 100
Qy 4066 CAATGCTGGTGTGATTTCCCTCATTTGTGTAACATTTGACAGGTATGTGACAAATGGGAATA 4125
Db 99 CAATGCTGGTGTGATTTCCCTCATTTGTGTAACATTTGACAGGTATGTGACAAATGGGAATA 41
Qy 4126 AAAATCCAAATATAAAGTACATATATGGTGTTCAGCAAT 4165
Db 40 RAAABCCAAATATAAAGTACATATATGGTGTTCAGCAAT 1

RESULT 15

US-09-880-107-1703/c
; Sequence 1703, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1703
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 D60769
US-09-880-107-1703

Query Match 7.7% Score 320; DB 9; Length 396;
Best Local Similarity 90.5%; Pred. No. 1.8e-73;
Matches 362; Conservative 21; Mismatches 13; Indels 4; Gaps 4;
Qy 3766 AAACACTACTTACTTGTCTAAACAGTTACTTGTACCCCTTAACCTGTCTTCAAAAGTTGCA 3825
Db 396 AAACACTACTTGTCTTAAAGAG-TACTTGTGCCCTTAACCTGTCTTCAAAAGGKCA 338
Qy 3826 TATAGTTACAGTAGTGTATATAATTAATATGTGGAATAAAGTGTCTTTCTGTAT 3885
Db 337 TATAGTTACAGTAGTGTATATAATTAATATGTGGAATAAAGTGTCTTTCTGTAT 279
Qy 3886 TGTGTGTATATATATATATATATCTCTTCTGCAATCTCTATCTGTATTTAAAGATGTGA 3945
Db 278 GTGGSVBAGABATATATAATATGTACTYCTGGCAADTCTAWCTGTATWTAAAGATGTGR 219
Qy 3946 CAATCTTGACACCAATTTTAAAGATAGCTGTGAGACCGAATTAAGATAATCCCTACCAA 4005
Db 218 CAATCTTGACACCAATTTTAAAGATAGCTGTGAGACCGRATT-AAGATAATCCCTACCAA 160
Qy 4006 GTGAAATTCATGTGCTTAAAGAGGGTACAGAAATATCAACTGATTTGGTCAGTTGCTTC 4065
Db 159 GTGAAATTCATGTGCTTAAAGAGGGTACAGAAATATCAACTGATTTGGTCAGTTGCTTC 100
Qy 4066 CAATGCTGGTGTGATTTCCCTCATTTGTGTAACATTTGACAGGTATGTGACAAATGGGAATA 4125
Db 99 CAATGCTGGTGTGATTTCCCTCATTTGTGTAACATTTGACAGGTATGTGACAAATGGGAATA 41

Qy 4126 AAAATCCAAATATAAAGTACATATATGGTGTTCAGCAAT 4165
Db 40 RAAABCCAAATATAAAGTACATATATGGTGTTCAGCAAT 1

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Job time : 2462.54 secs

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Db 143 ATATATTATATATTTT 124

RESULT 13

US-09-949-016-54024/c
; Sequence 54024, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54024
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-54024

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;

Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;
QY 3826 TATAGTTACAGTAGTGATAAAATAATTTGGGAAACAGTCTTGTATTTTCTGTA 3885
DB 202 TATATTTATATATATATATATATATTTTATATATATTTATATGATATATATATA 143
QY 3886 TGTGTGTATATATATATATATATGTAATTTCTGCAATTTCTATCTGTATTTAAAGATGTA 3945
DB 142 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATATATATTTTATTT 83
QY 3946 CAATCTTGACACCAATTTTA 3965
DB 82 ATATATTATATATTTT 63

RESULT 14

US-09-949-016-108654/c
; Sequence 108654, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 108654
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-108654

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;

Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;
QY 3826 TATAGTTACAGTAGTGATAAAATAATTTGGGAAACAGTCTTGTATTTTCTGTA 3885
DB 285 TATATTTATATATATATATATATATTTTATATATATTTATATGATATATATATA 226
QY 3886 TGTGTGTATATATATATATATGTAATTTCTGCAATTTCTATCTGTATTTAAAGATGTA 3945
DB 225 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATATATATTTTATTT 166
QY 3946 CAATCTTGACACCAATTTTA 3965
DB 165 ATATATTATATATTTT 146

RESULT 15

US-09-949-016-108655/c
; Sequence 108655, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 108655
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-108655

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;

Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;
QY 3826 TATAGTTACAGTAGTGATAAAATAATTTGGGAAACAGTCTTGTATTTTCTGTA 3885
DB 272 TATATTTATATATATATATATATATTTTATATATATTTTATATGATATATATATA 213
QY 3886 TGTGTGTATATATATATATATGTAATTTCTGCAATTTCTATCTGTATTTAAAGATGTA 3945
DB 212 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATATATATTTTATTT 153
QY 3946 CAATCTTGACACCAATTTTA 3965
DB 152 ATATATTATATATTTT 133

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Job time : 632.842 secs

; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 54020
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-54020

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;
Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 3826 TATAGTTACAGTGTGTAATAAATAATTTGGAAAAACAGCTCTGTATTTTCTGTA 3885
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Db 285 TATATTTATATATATATATATATATTTTATATATATTTTATATGTAATTTTATATA 226
QY 3886 TGTGCTATATATATAAATGTAATCTCTGCAATTCATCTGTATTTAAAGATGTGA 3945
|||||
Db 225 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATTTTATTTT 166
QY 3946 CAATCTTGACACCAATTTTA 3965
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Db 165 ATATATTTATATATTTTAA 146

RESULT 10
US-09-949-016-54021/c
; Sequence 54021, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 54021
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-54021

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;
Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 3826 TATAGTTACAGTGTGTAATAAATAATTTGGAAAAACAGCTCTGTATTTTCTGTA 3885
|||||
Db 272 TATATTTATATATATATATATATTTTATATATATTTTATATGTAATTTTATATA 213
QY 3886 TGTGCTATATATATAAATGTAATCTCTGCAATTCATCTGTATTTAAAGATGTGA 3945
|||||
Db 212 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATTTTATTTT 153
QY 3946 CAATCTTGACACCAATTTTA 3965
|||||
Db 152 ATATATTTATATATTTTAA 133

RESULT 11
US-09-949-016-54022/c
; Sequence 54022, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 54022
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-54022

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;
Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 3826 TATAGTTACAGTGTGTAATAAATAATTTGGAAAAACAGCTCTGTATTTTCTGTA 3885
|||||
Db 267 TATATTTATATATATATATATATTTTATATATATTTTATATGTAATTTTATATA 208
QY 3886 TGTGCTATATATATAAATGTAATCTCTGCAATTCATCTGTATTTAAAGATGTGA 3945
|||||
Db 207 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATTTTATTTT 148
QY 3946 CAATCTTGACACCAATTTTA 3965
|||||
Db 147 ATATATTTATATATTTTAA 128

RESULT 12
US-09-949-016-54023/c
; Sequence 54023, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 54023
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-54023

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;
Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 3826 TATAGTTACAGTGTGTAATAAATAATTTGGAAAAACAGCTCTGTATTTTCTGTA 3885
|||||
Db 263 TATATTTATATATATATATATATTTTATATATATTTTATATGTAATTTTATATA 204
QY 3886 TGTGCTATATATATAAATGTAATCTCTGCAATTCATCTGTATTTAAAGATGTGA 3945
|||||
Db 203 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATTTTATTTT 144
QY 3946 CAATCTTGACACCAATTTTA 3965

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 17, 2005, 13:10:42 ; Search time 627.842 Seconds
(without alignments)
10854.792 Million cell updates/sec

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Perfect score: 4165
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	56.2	1.3	1141	US-09-806-708B-22	Sequence 22, Appl
2	52.4	1.3	17612	US-09-949-016-15061	Sequence 15061, A
3	50	1.2	7218	US-08-232-463-14	Sequence 14, Appl
4	49.8	1.2	16573	US-09-949-016-14876	Sequence 14876, A
5	46	1.1	1141	US-09-806-708B-22	Sequence 22, Appl
6	45.4	1.1	582	US-09-949-016-61868	Sequence 61868, A
7	45.4	1.1	314798	US-09-949-016-13539	Sequence 13539, A
8	44.8	1.1	76553	US-09-949-016-13432	Sequence 13432, A
9	44	1.1	601	US-09-949-016-54020	Sequence 54020, A
10	44	1.1	601	US-09-949-016-54021	Sequence 54021, A
11	44	1.1	601	US-09-949-016-54022	Sequence 54022, A
12	44	1.1	601	US-09-949-016-54023	Sequence 54023, A
13	44	1.1	601	US-09-949-016-54024	Sequence 54024, A
14	44	1.1	601	US-09-949-016-108654	Sequence 108654, A
15	44	1.1	601	US-09-949-016-108655	Sequence 108655, A
16	44	1.1	601	US-09-949-016-108656	Sequence 108656, A
17	44	1.1	601	US-09-949-016-108657	Sequence 108657, A
18	44	1.1	601	US-09-949-016-108658	Sequence 108658, A
19	44	1.1	832	US-09-621-976-2813	Sequence 2813, Ap
20	44	1.1	104520	US-09-949-016-13303	Sequence 13303, A
21	44	1.1	126029	US-09-949-016-14731	Sequence 14731, A
22	43.8	1.1	150032	US-09-949-016-14321	Sequence 14321, A
23	43.4	1.0	86857	US-09-949-016-14688	Sequence 14688, A
24	43.4	1.0	786431	US-09-751-389-3	Sequence 3, Appl
25	43.2	1.0	1170	US-09-248-796A-9079	Sequence 9079, Ap
26	43	1.0	16573	US-09-949-016-14876	Sequence 14876, A
27	42.8	1.0	832	US-09-621-976-2813	Sequence 2813, Ap

ALIGNMENTS

RESULT 1

US-09-806-708B-22
; Sequence 22, Application US/09806708B
; Patent No. 6784342
; GENERAL INFORMATION:
; APPLICANT: The University of British Columbia
; TITLE OF INVENTION: Regulation of Embryonic Transcription in Plants
; FILE REFERENCE: 4810-58741
; CURRENT APPLICATION NUMBER: US/09/806,708B
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/147,133
; PRIOR FILING DATE: 1999-08-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22
; LENGTH: 1141
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: promoter
; LOCATION: (1)-(1141)
; OTHER INFORMATION: Consensus sequence of A.t., L.a., and B.n. PAB1 promoters
US-09-806-708B-22

Query Match	1.3%	Score 56.2;	DB 4;	Length 1141;
Best Local Similarity	11.8%	Pred. No. 3.3e-05;		
Matches	96;	Conservative 285;	Mismatches 433;	Indels 2;
Gaps	1;			
QY	3339	TTCCATAGATAGTACGCTGTAATCTGTTTAAACATAGGAGAGAGTTTAAAGGGC	3398	
Db	149	WTTTCCMDKDKKTRWWKNNATGWDGDDTKYHNNNNGCBTVTWVRYKTDRDWSBKR	208	
QY	3399	ATTGGCAATAAATCTTTGTTGAGCTGTTTCCAGCAGTGTAAATACATTTTCTGTG	3458	
Db	209	MNYGMBWKNWSYDVITYYVWVDDMKCKVRVRVTRGRMNRNVAVBTAAHRRYNNNGWT	268	
QY	3459	ATTATGTATAGCTTGGCAATGGCACCTTTTAACTAACCATATGCTGTTGGTTTCAATGG	3518	
Db	269	BMAAYRWTNNNNNNNAKAKCKRYKMGWNRABVNSTCTTWKSKTTKVRTSCWANNCRAG	328	
QY	3519	TTTTTTTATATTCAGATGTATATATGCTGCTCACTTTAGATACAGAGTGTGACCATTTA	3578	
Db	329	DANKDKHWKWSAAMGVYNNNNNNNTYKARHARWVWHSWAKWKHANAHSRKK	388	
QY	3579	TGCTGCATAGCTGATATTATAGCCTTATAGTTGCTGGTGGTGGCCCTTGGGGTATACAAAT	3638	
Db	389	WTBYKRTKVVNNNGTMMKRMWYKMDMDWBGYNNNNNGRYYGWTKKKKWTTY	448	
QY	3639	GTGAGTCTGAGTGGTCTCTTACTCTCTTGTATATAAGTGAATGATGTGTCATGTTTGTGA	3698	

QY	1803	AGTTCCTCCGTTTAGAACTCATTAGCTGTGTGACTCTGGGTGAGTCCCTTAAACCCCTCTGA	1862	2883	GAGTCAGGCAGTCATGGTTGTGGCTGTGAGTCAGGAGACCTAGGTTTTCAGCCCTCTC	2942
DB	1801	AGTTCCTCCGTTTAGAACTCATTAGCTGTGTGACTCTGGGTGAGTCCCTTAAACCCCTCTGA	1860	2881	GAGTCAGGCAGTCATGGTTGTGGCTGTGAGTCAGGAGACCTAGGTTTTCAGCCCTCTC	2940
QY	1863	GCCCGGTCTCTTCATTAGTTGAAAGGATAGTAATACCTACTCTGCAAGGTGTGTGTCATC	1922	2943	TACTGTACGCGACTGTGCAACGTGGCAAGTCAATTGTCTCTGAGCTGAGTTTCTCTCA	3002
DB	1861	GCCCGGTCTCTTCATTAGTTGAAAGGATAGTAATACCTACTCTGCAAGGTGTGTGTCATC	1920	2941	TACTGTACGCGACTGTGCAACGTGGCAAGTCAATTGTCTCTGAGCTGAGTTTCTCTCA	3000
QY	1923	TGAGTTGACACAGTGGTCACATTGAGGTGCTGGTAAAGTGGTAGCTCTTGTGTTCCCG	1982	3003	TCTGTACATCGCTACAGACAGACCTCCCTGGAACCTTCTGATTTGTCTTACACACTGT	3062
DB	1921	TGAGTTGACACAGTGGTCACATTGAGGTGCTGGTAAAGTGGTAGCTCTTGTGTTCCCG	1980	3001	TCTGTACATCGCTACAGACAGACCTCCCTGGAACCTTCTGATTTGTCTTGGACACTGT	3060
QY	1983	TTGAGCGTCACATCTGCAGTGGAGCTGAAAGGCTCCACATTAGGTACCTGTGACAG	2042	3063	GGTTGCAAAACCCACGAAAGCCTCATTTGTGTGAAAGTCAGAGGAAATGATCCAGT	3122
DB	1981	TTGAGCGTCACATCTGCAGTGGAGCTGAAAGGCTCCACATTAGGTACCTGTGACAG	2040	3061	GGTTGCAAAACCCACGAAAGCCTCATTTGTGTGAAAGTCAGAGGAAATGATCCAGT	3120
QY	2043	CCATGGCTGGAATGATGAAGGGGATACGCTGGAGTTGCCCCCTGCCATCGCCTCCATCAGCC	2102	3123	GGACACTTGGGGATTATCTGTCAATCAAGATCCTTCTTCAACCCCAAGGCCAGCTCCCA	3182
DB	2041	CCATGGCTGGAATGATGAAGGGGATACGCTGGAGTTGCCCCCTGCCATCGCCTCCATCAGCC	2100	3121	GGACACTTGGGGATTATCTGTCAATCAAGATCCTTCTTCAACCCCAAGGTACGTCCCA	3180
QY	2103	AGACGAGTCTCACAGGAAGGACAGCTCTTCCCAACCTGGGATCTCAGAGGGCAG	2162	3183	TCTCATTTCCAGAAAGGCTCATACCTGGCTTGAGGGAGGATCTGTCTGTCTATTCAG	3242
DB	2101	AGACGAGTCTCACAGGAAGGACAGCTCTTCCCAACCTGGGATCTCAGAGGGCAG	2160	3181	TCTCATTTCCAGAAAGGCTCATACCTGGCTTGAGGGAGGATCTGTCTGTCTATTCAG	3240
QY	2163	CCACGAGTGGGAGGCCCCAGATGGCTGTGCCAAAGCCAGGTCCGAGGCCAAAGTTCT	2222	3243	GTCCAGAAATCTCTCAGAGTCATTGAAAGGCTTTCACCCCATCCCAAGGCTTGCGCA	3302
DB	2161	CCACGAGTGGGAGGCCCCAGATGGCTGTGCCAAAGCCAGGTCCGAGGCCAAAGTTCT	2220	3241	GTCCAGAAATCTCTCAGAGTCATTGAAAGGCTTTCACCCCAAGGCTTGCGCA	3300
QY	2223	CCCTGCCATCTTTGGTGGCTCTGCCCTTCTCTCTTCAATGCTGGGCTGCAGGCCCA	2282	3303	CACTGCCAGTGTCTTAGCAGGGTCTTGTGAGGGCTGGGGCATCCAGGCACTCAGAAAGC	3362
DB	2221	CCCTGCCATCTTTGGTGGCTCTGCCCTTCTCTCTTCAATGCTGGGCTGCAGGCCCA	2280	3301	CACTGCCAGTGTCTTAGCAGGGTCTTGTGAGGGCTGGGGCATCCAGGCACTCAGAAAGC	3360
QY	2283	CCCAGCCACACTGAGTCCACTCGGAGTGCCTGTGTTCTTGGTCAAGAGGCAATCCAGGG	2342	3363	AAAGAAACCACTACCCATTTGGCCTCTGAGGGGGCAGAGAAAGAAAGAAACCTCAT	3422
DB	2281	CCCAGCCACACTGAGTCCACTCGGAGTGCCTGTGTTCTTGGTCAAGAGGCAATCCAGGG	2340	3361	AAAGAAACCACTACCCATTTGGCCTCTGAGGGGGCAGAGAGAAAGAAAGAAACCTCAT	3420
QY	2343	TTGAAATCTTGTCCAGCCTCAGCTGGGACACCTAGTGGAGAGTGGTCTCCGCTCTG	2402	3423	CCTATATTTTACAAAGCATGTGAATTCGSCATTTAGCTCTCATAGAGAGCCCATGTCTT	3482
DB	2341	TTGAAATCTTGTCCAGCCTCAGCTGGGACACCTAGTGGAGAGTGGTCTCCGCTCTG	2400	3421	CCTATATTTTACAAAGCATGTGAATTCGSCATTTAGCTCTCATAGAGAGCCCATGTCTT	3480
QY	2403	AAITGGATCAGGGGACCTGGGCTCATTTCTTGGCTCAACCAACCTCGAGGCCCTCATC	2462	3483	CCTTGTCTAGTCAGAACTGATGATTTCTACTTGTCTAGATGAATGGTTTAAACGAGCTA	3542
DB	2401	AAITGGATCAGGGGACCTGGGCTCATTTCTTGGCTCAACCAACCTCGAGGCCCTCATC	2460	3481	CCTTGTCTAGTCAGAACTGATGATTTCTACTTGTCTAGATGAATGGTTTAAACGAGCTA	3540
QY	2463	TTTCCCAAAACCACTTTGTCTTGGTGGAGTGGTCCGGGCTGTCTGAGCAGGGGCT	2522	3543	GTTTAAACAGTGCATTTGTTTGGCAGTGAAGCTTCAACCTTAAGCCACTGGGACCGTGG	3602
DB	2461	TTTCCCAAAACCACTTTGTCTTGGTGGAGTGGTCCGGGCTGTCTGAGCAGGGGCT	2520	3541	GTTTAAACAGTGCATTTGTTTGGCAGTGAAGCTTCAACCTTAAAGCCACTGGGACCGTGG	3600
QY	2523	GGGGAGTGGACAGCATCAGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGGATTTCT	2582	3603	CCAGAGATCCAGAGCCCTCTGTGCGCCTTAGTTCATATAACCAAAATCCAGACCTTATCC	3662
DB	2521	GGGGAGTGGACAGCATCAGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGGATTTCT	2580	3601	CCAGAGATCCAGAGCCCTCTGTGCGCCTTAGTTCATATAAGCAAAATCCAGACCTTATCC	3660
QY	2583	CACCGTGGGCTGGAAAGAAAGAGCATCGACTTGAATTTCTCCAAACCACTCATCCCTCTTT	2642	3663	ACAAACCCGGGGCTTGGAAAGGAGTATTTTGGAAATCACACCTCCGGTTATGTTGCTCC	3722
DB	2581	CACCGTGGGCTGGAAAGAAAGAGCATCGACTTGAATTTCTCCAAACCACTCATCCCTCTTT	2640	3661	ACAAACCCGGGGCTTGGAAAGGAGTATTTTGGAAATCACACCTCCGGTTATGTTGCTCC	3720
QY	2643	TTCTTTCTTCCACACTCCCAACCCAGCTGTAGTTAAATTTTCAAGTGCCTTACAAATCCCTA	2702	3723	AGTAAATCTTGCCTGGAAAGAGGAGTCTCTTCTAGCATGGTGGAGCTGATGATGATGCTT	3782
DB	2641	TTCTTTCTTCCACACTCCCAACCCAGCTGTAGTTAAATTTTCAAGTGCCTTACAAATCCCTA	2700	3721	AGTAAATCTTGCCTGGAAAGAGGAGTCTCTTCTAGCATGGTGGAGCTGATGATGATGCTT	3780
QY	2703	AGCTCAGAGAAAGTCCATTTCCGTTCCAGAGGGAAGGAACTCCCTAGGTCCTTCCCT	2762	3783	TTTTTTGTAGCCAGTCTCTGCTCCCTGGCCATCCATGTGATGGTTTTCGATGGAGTTAAACT	3842
DB	2701	AGCTCAGAGAAAGTCCATTTCCGTTCCAGAGGGAAGGAACTCCCTAGGTCCTTCCCT	2760	3781	TTTTTTGTAGCCAGTCTCTGCTCCCTGGCCATCCATGTGATGGTTTTCGATGGAGTTAAACT	3840
QY	2763	GGCTTGTATAACGCAAGCTTGGTTGTTTATGCAACTCTATCTTAAGAACTGCCAGGCC	2822	3843	TGATGCCAGTGGGCACTGTCATGTGGAAGTATCAGAGTAAGCCTCTCCCTCCAGAGCCCC	3902
DB	2761	GGCTTGTATAACGCAAGCTTGGTTGTTTATGCAACTCTATCTTAAGAACTGCCAGGCC	2820	3841	TGATGCCAGTGGGCACTGTCATGTGGAAGTATCAGAGTAAGGCTCTCCCTCCAGAGCCCC	3900
QY	2823	TCAGCTGAAACCCGAACTGTGAGAGGAATTCGTCATGTAAAGGAGTGGAAATTAAGG	2882	3903	TGAGTTTCTTGGCTGATGAAGGTTTCTTTAGATCAGAAATGTAGACCAAGTTTCTTTGG	3962
DB	2821	TCAGTTGGAAACCCGAACTGTGAGAGGAATTCGTCATGTAAAGGAGTGGAAATTAAGG	2880	3901	TGAGTTTCTTGGCTGATGAAGGTTTCTTTAGATCAGAAATGTAGACCAAGTTTCTTTGG	3960
				3963	CCAGAGGATGAATCTTGGATATTACTGAAAGGGAGGGGTGGAGATGGGTGGGCGATG	4022

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; PRIOR APPLICATION NUMBER: US/09/997,263
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 09/802,806
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 60/207,333
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: US 09/384,446
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: US 60/132,684
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: US 60/098,158
; PRIOR FILING DATE: 1998-08-27
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 4094
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (37)..(1584)
US-10-857-942-3

Query Match      96.9%; Score 4058.8; DB 21; Length 4094;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 4072; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

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QY 63 GTGTGCGCGTGTCTTCTGCTGTGTGGTGTGCGCTGAAGGGGTGGAGTTGCTGTCTATC 122
DB 61 GTGTGCGCGTGTCTTCTGCTGTGTGGTGTGCGCTGAAGGGGTGGAGTTGCTGTCTATC 120

QY 123 CACAGCGTGGTGTGTGTGCTTCTCTGCGCTTCTCTGCGCTGTCTGCTTATCTTGTGATATC 182
DB 121 CACAGCGTGGTGTGTGTGCTTCTCTGCGCTTCTCTGCGCTGTCTGCTTATCTTGTGATATC 180

QY 183 TACTACTGTGCGCGCTGGGTGTGTTCAAGCTCAGCAGCGCTCCGCGCTGACAGAG 242
DB 181 TACTACTGTGCGCGCTGGGTGTGTTCAAGCTCAGCAGCGCTCCGCGCTGACAGAG 240

QY 243 CAGCGGTGCGGACATCCAGAAAGCAGGTGCGGGAATGGAAGGAGCAGGTGTAGCAAGACC 302
DB 241 CAGCGGTGCGGACATCCAGAAAGCAGGTGCGGGAATGGAAGGAGCAGGTGTAGCAAGACC 300

QY 303 TTCAATGTGACGGGGCGCCCTGGTGTGCTCACTGTCTCACTGTGTGCGGAAAGTACAG 362
DB 301 TTCAATGTGACGGGGCGCCCTGGTGTGCTCACTGTCTCACTGTGTGCGGAAAGTACAG 360

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QY 423 CAGATTGCTGCTGTGGAGCCCTTGGTGACCATGGCCAGGTGACTGCGCTGTGACTCC 482
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QY 483 ATTGGCTGGAATCTCTCCCGTGTGCTGAGCTTGTATGACCTCAAGTGGGGGCTTGTATC 542
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903 GAGCCAGCAAGCTGAATAGCATTTGGCAATTACTCAAGCCGTGTGTTCTTTAAGCATGTG 962
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1743 AGGGGACGCGCAGTGGAAATGGAAGATTTGGAGTTTGGAGTGTGAGCAGCTGAGTCC 1802
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QY 2281 CACCCAGCCACCACTGAGTCCACTCGGAGTGCCCTGTGTCTCGGAGAGGCAATCCAG 2340
DB 2264 CACCCAGCCACCACTGAGTCCACTCGGAGTGCCCTGTGTCTCGGAGAGGCAATCCAG 2323
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RESULT 15

US-10-857-942-3

; Sequence 3, Application US/10857942

; Publication No. US20050004065A1

; GENERAL INFORMATION:

; APPLICANT: EINAT, Paz

; APPLICANT: FEINSTEIN, Elena

; APPLICANT: SKALITER, Rami

; TITLE OF INVENTION: HYPOXIA REGULATED GENES

; FILE REFERENCE: FEINSTEIN=5.1B

; CURRENT APPLICATION NUMBER: US/10/857,942

; CURRENT FILING DATE: 2004-06-02

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Qy 121 TCCACGAGCGCTGGGTGTTCTGTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 180
Db 148 -----TGGCTTATCTTCGATA 163
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Db 704 AGATCGGCATATCCCTGCGCAAGATGACGTCAAGCTGCGTTCGAGCCAGTGGGGGCC 763
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Db 764 TGGAGGCTATCTGCGCAAGTTCACCCAGTCCAGCGCGCAGGGAACCACTTCGTGG 823
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Qy 1201 TGGTGCCTCAATGAAGTGCCTGCGACGAGGCGCTGCACACCTTCCAAACGACATCCAGTCT 1260
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Qy 1261 ACCCATCTTCCGCTGTGCTCGTTTCATCTGCGCAGCAGGCGCTAGTGCACCCCAAG 1320
Db 1244 ACCCATCTTCCGCTGTGCTCGTTTCATCTGCGCAGCAGGCGCTAGTGCACCCCAAG 1303
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Db 1364 TTGAAGCCAGGTCTCTGATGAGGAGCTGGAGAGTTTGTCCGAGCGTGCATGGCTTC 1423
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Db 1484 CCTTGTACCAAGCTGCGAGAGAGCTGGTGTTCAGAGCGCTTCCCGAGGTGACG 1543
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Qy 1921 TCTGAGTTGAGCATCTGGTCAATTTGAAGTGTGGGTAAAGTGTAGTCTTGTGCTTTC 1980
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Qy 1981 CGTTTCAGCTCAGCTGAGTGGAGCTGAAAGGCTCCACATTAAGTTCACCTGTGAC 2040
Db 1964 CGTTTCAGCTCAGCTGAGTGGAGCTGAAAGGCTCCACATTAAGTTCACCTGTGAC 2023
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Db 2084 CCAGAGAGGCTCTCAAGAGAGAGACGCTTCTCCCAACCTCGGATCTCAGGAGGGC 2143
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Db 4202 CCCGTGCTGTGGGGCGCTGCTTCTGTTTAAATAAAAGTGGCCTGG 4248

RESULT 14

US-10-479-081-121
; Sequence 121, Application US/10479081
; Publication No. US20050059001A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWARA, AKIRA
; TITLE OF INVENTION: NUCLEIC ACIDS ISOLATED FROM NEUROBLASTOMA
; FILE REFERENCE: 7388-80893
; CURRENT APPLICATION NUMBER: US/10/479,081
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: PCT/JP02/05295
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: JP 2001-163666
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: JP 2001-255260
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 742
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 121
; LENGTH: 4219
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: nb1a-03646
US-10-479-081-121

Query Match 97.2%; Score 4067.8; DB 21; Length 4219;
Best Local Similarity 98.7%; Pred. No. 0;
Matches 4132; Conservative 0; Mismatches 2; Indels 53; Gaps 1;
Qy 1 GGCGGAAACCGCAGCGCTTACCGCGCGCGCGCCACCATGGAGCCCGCGTGTGCTGG 60

301 CTTCTATGTGACGCGGCGCCCTGGCTGGCTCACTGTCTCACTACGTGTGGGAAGTACA 360
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361 AGAAGACACACAAAACATCATGATCAACCTGATGACACATTCTGGGAAGTGGACACCAAGA 420
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421 AACAGATTGTCCTGTGGAGCCCTTGGTGACCATGGCCAGAGTGACTGCCCTCTGCTACCT 480
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1082 ACCACCGCCACACGCGCAGCATCTTCTGGAGCTCCAGGACATTAATCCCTTTGGCAACA 1141
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1262 TGTGCCCCGATGAAGTGGCTCGACAGGCGCTTGCACTCTTCCTTTCAAAAACGACATCCAGTCT 1321
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1982 TCTGAGTTGAGCACTGGTCACTTGAAGTGTGGTAAAGTGTGGTAGTCTTGTGGCTTCC 2041
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DB 4176 CCGCTGCTGTGGGCGGCTGCTTCTGTTTAAATAAAGTGGCCTGG 4222

RESULT 13
US-10-087-192-1259
; Sequence 1259, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 529452000122
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US/10/087,192
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 1259
; LENGTH: 4248
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-087-192-1259

Query Match 99.9%; Score 4182.2; DB 13; Length 4248;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 4184; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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DB 122 CCGTGTGCGCGTGTCTTCTCTGCTGTGGTGCGCTTGAAGGGGCTGGAGTTCTGCTCA 181
QY 121 TCCACAGCGCTGGGTGTTGCTGCTCTTCTCTCGCTCGCTCTGCTTATCTTCGATA 180
DB 182 TCCACAGCGCTGGGTGTTGCTGCTCTTCTCTCGCTCGCTCTGCTTATCTTCGATA 241
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QY 241 AGCAGCGCTGCGGACATCCAGAACAGCAGTGGCGGAATGGAAAGGAGCGGGTAGCAAGA 300
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Db 576 TCGGCGCAGGCGATCGAGTCATCATCCACAAAGTACGGCCTGTTCACACATCTGCA 635
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Db 636 CTCCTTACGAGCTGGTCTCGGCTGATGGAGCTTTGTGCGATGCACCTCCGTCCGAAACT 695
Qy 661 CAGACCTGTTCTATGCGCGTACCCCTGGTCTCTGTGGAGCGTGGGTTTCTGGTGGCGCGTG 720
Db 696 CAGACCTGTTCTATGCGCGTACCCCTGGTCTCTGTGGAGCGTGGGTTTCTGGTGGCGCGTG 755
Qy 721 AGATCCGCTCATCTCCGCGCAAGATGACGTCAAGCTGCGTTTCGAGCCGAGTCCGGGGCC 780
Db 756 AGATCCGCTCATCTCCGCGCAAGATGACGTCAAGCTGCGTTTCGAGCCGAGTCCGGGGCC 815
Qy 781 TGGAGGCTATCTGTGCCAAGTTCAACCACAGTCCAGCGCGCAGGAGAACCACTTCGTGG 840
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Db 876 AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCTATTATGACAGGGGTCTGACAGATGAGG 935
Qy 901 CAGAGCCACGAGCTGAATAGCATTTGGCAATTTACTACAGCCGCTGGTCTTTAAGCATG 960
Db 936 CAGAGCCACGAGCTGAATAGCATTTGGCAATTTACTACAGCCGCTGGTCTTTAAGCATG 995
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Qy 1021 ACCACGCCACACGCGCAGCATCTTCTGGAGCTCCAGGACATCATCCCCCTTTGGCAACA 1080
Db 1056 ACCACGCCACACGCGCAGCATCTTCTGGAGCTCCAGGACATCATCCCCCTTTGGCAACA 1115
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Qy 1141 TGACCCAGGCTGAGACCTCGCAAGCTGTACGAGCAGCACACCGTGGTCAGGACATGC 1200
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Qy 1201 TGGTCCCATGAAGTGTCTGAGCAGGCGCTGCACACCTTTCCAAAACGACATCCAGTCT 1260
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Qy 1261 ACCCATCTGGCTGTGTCCGTTCTCTGCGCAGCAGCGCTAGTGCACCCCAAG 1320
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Qy 1861 GAGCCCGGCTCTCTTCACTTAGTTGAAAGGATAGTAATACCTACTTTCAGAGTTGTTGTCA 1920
Db 1896 GAGCCCGGCTCTCTTCACTTAGTTGAAAGGATAGTAATACCTACTTTCAGAGTTGTTGTCA 1955
Qy 1921 TCTGAGTTGAGCACTGGTCACTTTGAAGGTGCTGGTAAAGTGGTGGTGGTGGTGGTGGTGG 1980
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Qy 2101 CCAGAGAGGTCCTCAAGGAGAAAGACAGCTCTTCCCAACCTGGGATCTCAGAGGGC 2160
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RESULT 12
US-10-176-847-1
; Sequence 1, Application US/10176847
; Publication No. US20030068636A1
; GENERAL INFORMATION:
; APPLICANT: Veiby, Pette Ole
; TITLE OF INVENTION: IDENTIFICATION, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST
; FILE REFERENCE: MRI-039
; CURRENT APPLICATION NUMBER: US/10/176,847
; CURRENT FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 4275
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 4241, 4243, 4244, 4246, 4247, 4250, 4253, 4254, 4255, 4259,
; LOCATION: 4260, 4261, 4263, 4266, 4270, 4271, 4272, 4273
; OTHER INFORMATION: n = A,T,C or G
US-10-176-847-1
Query Match 99.9%; Score 4183.8; DB 14; Length 4275;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4185; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Db 96 CCGTGTGCGCGCTGCTCTTCTGCTGTGGGTGCGCTGAAGGGGCTGGAGTTGCTGCTCA 155
Qy 121 TCACACAGCGCTGGGTGCTGCTGCTCTTCTGCTGCGCTCTGCTTATCTTCGATA 180
Db 156 TCACACAGCGCTGGGTGCTGCTGCTCTTCTGCTGCGCTCTGCTTATCTTCGATA 215
Qy 181 TCTACTACTACGTGCGCGCTGGGTGCTTCAAGCTCAGCAGCGCTCCGCGCTGCACG 240
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Qy 241 AGCAGCGCTGCGGACATCCAGAACAGAGTGGGAAATGGAAAGGAGCGGTAGCAAGA 300
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Qy 301 CCTTCAATGTGCACGGGGCGCTGGCTGCTCTACTGTCTCACTACGTGTGCGGAAGTACA 360
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Qy 361 AGAAGACACAAAAACATCATGATCAACCTGATGACATTTCTGGAAGTGGACACCAAGA 420
Db 396 AGAAGACACAAAAACATCATGATCAACCTGATGACATTTCTGGAAGTGGACACCAAGA 455
Qy 421 AACAGATTGTCCGTGGAGCCCTTGGTGAACCATGGCCAGGTGACTGCGCTGCTGACCT 480
Db 456 AACAGATTGTCCGTGGAGCCCTTGGTGAACCATGGCCAGGTGACTGCGCTGCTGACCT 515
Qy 481 CCATTGGCTGGACTCTCCCGGTGCTGCTGAGCTTGAATGACCTCAGTGGGGGCTTGA 540
Db 516 CCATTGGCTGGACTCTCCCGGTGCTGCTGAGCTTGAATGACCTCAGTGGGGGCTTGA 575
Qy 541 TCATGGGCACAGGCATCGAGTCATCATCCCAAGTACGCGCTGTTCCCAACACATCTGCA 600

QY	841	AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCAATTATGACAGGGGTCAACAGATCAGG	900	1921	TTCTAGTTGAGCACTGGTGCATTTGAAGTGTCTGGGTAAAGTGTAGCTCTTTGTGCTTCC	1980
DB	902	AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCAATTATGACAGGGGTCAACAGATCAGG	961	1982	TTCTAGTTGAGCACTGGTGCATTTGAAGTGTCTGGGTAAAGTGTAGCTCTTTGTGCTTCC	2041
QY	901	CAGAGCCGACGACGATGATAGCAATTGGCAATTAATGACAGCCGCTGGTTCTTTAAGCATG	960	1981	CGTTTCAGCGTCACTCTGAGTGGAGCTGGAAGAGCTCCACATTAAGTGTACCTGTGGCAC	2040
DB	962	CAGAGCCGACGACGATGATAGCAATTGGCAATTAATGACAGCCGCTGGTTCTTTAAGCATG	1021	2042	CGTTTCAGCGTCACTCTGAGTGGAGCTGGAAGAGCTCCACATTAAGTGTACCTGTGGCAC	2101
QY	961	TGAGAACTATCTGAAGACAAAACGAGAGGCGCTGGAGTACATTTCCCTTGAGACACTACT	1020	2041	AGCCATGGCTGGAATGATGAAGGGGATACGCTGGAGTTGCCCTGCCATCGCCCTCCATCAG	2100
DB	1022	TGAGAACTATCTGAAGACAAAACGAGAGGCGCTGGAGTACATTTCCCTTGAGACACTACT	1081	2102	AGCCATGGCTGGAATGATGAAGGGGATACGCTGGAGTTGCCCTGCCATCGCCCTCCATCAG	2161
QY	1021	ACCACGCCACACGCGCAGCATCTTTCTGGAGCTCCAGGACATCATCCCCCTTTGGCAACA	1080	2101	CCAGACGAGGTCCTCAAGGAGAAAGACAGCTCTTCCCACCTGGGATCTCAGGAGGGC	2160
DB	1082	ACCACGCCACACGCGCAGCATCTTTCTGGAGCTCCAGGACATCATCCCCCTTTGGCAACA	1141	2162	CCAGACGAGGTCCTCAAGGAGAAAGACAGCTCTTCCCACCTGGGATCTCAGGAGGGC	2221
QY	1081	ACCCCATCTTCCGCTACTCTTTGGCTGGATGGTCCCAAGATCTCCCTCTGAAAGC	1140	2161	AGCCACGGAGTGGGAGGCGCCAGATGGCTGTGCCAAAGCCAGGTCCTGAGGCCAAGTT	2220
DB	1142	ACCCCATCTTCCGCTACTCTTTGGCTGGATGGTCCCAAGATCTCCCTCTGAAAGC	1201	2222	AGCCACGGAGTGGGAGGCGCCAGATGGCTGTGCCAAAGCCAGGTCCTGAGGCCAAGTT	2281
QY	1141	TGACCCAGGCTGAGACCTCGCAAGCTGPACGAGCAGACACACGTGGTGCAGACATGC	1200	2221	CTCCCTGCCATCTTTGGTGCCTCTGCCCTTCTCTTCATGCTGGGCCCTGCAGGGC	2280
DB	1202	TGACCCAGGCTGAGACCTCGCAAGCTGPACGAGCAGACACACGTGGTGCAGACATGC	1261	2282	CTCCCTGCCATCTTTGGTGCCTCTGCCCTTCTCTTCATGCTGGGCCCTGCAGGGC	2341
QY	1201	TGTTGCCCATGAAGTGCCTGACGAGGCCCTGCACACCTTTCCAAAACGACATCCACGTCT	1260	2281	CACCCAGCAGCACTGAGTCCACTCGAGTGCCTGTCTCTCGAGAGGCTTCCAG	2401
DB	1262	TGTTGCCCATGAAGTGCCTGACGAGGCCCTGCACACCTTTCCAAAACGACATCCACGTCT	1321	2341	GGTTGAAATCTTCTCCAGCCTCAGCTGGGAGCACTTAGTGGAGAGTGGTCTCCGCTC	2400
QY	1261	ACCCCATCTGGCTGTGTCGTTTCACTGCTCCAGCCAGCCAGGCTTAGTGACCCCAAG	1320	2402	GGTTGAAATCTTCTCCAGCCTCAGCTGGGAGCACTTAGTGGAGAGTGGTCTCCGCTC	2461
DB	1322	ACCCCATCTGGCTGTGTCGTTTCACTGCTCCAGCCAGCCAGGCTTAGTGACCCCAAG	1381	2401	TGAATTTGATCCAGGGGACCTGGGCTCATTTCTTTGGCTCACCAACCTTCGAGGCTCA	2460
QY	1321	GAATGAGGCGAGCTCTACATCGACATTTGGAGCATATGGGAGCGCGTGTGAACACT	1380	2462	TGAATTTGATCCAGGGGACCTGGGCTCATTTCTTTGGCTCACCAACCTTCGAGGCTCA	2521
DB	1382	GAATGAGGCGAGCTCTACATCGACATTTGGAGCATATGGGAGCGCGTGTGAACACT	1441	2461	CTTTTCCAAAACCCACTTTTGTCTGGTGGAGTGGGTCCGCGCTGCTCTGCAGCAGGGG	2520
QY	1381	TTGAAGCCAGGTCCTGATGAGCAGCTGGAGAGTGTTCGCGAGCGTGCATGGCTTC	1440	2522	CTTTTCCAAAACCCACTTTTGTCTGGTGGAGTGGGTCCGCGCTGCTCTGCAGCAGGGG	2581
DB	1442	TTGAAGCCAGGTCCTGATGAGCAGCTGGAGAGTGTTCGCGAGCGTGCATGGCTTC	1501	2521	CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGATT	2580
QY	1441	AGATGCTGTATGCGGATGCTACATGAACGGGAGAGTTCCTGGAGATGTTTGTAGTGGCT	1500	2582	CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGATT	2641
DB	1502	AGATGCTGTATGCGGATGCTACATGAACGGGAGAGTTCCTGGAGATGTTTGTAGTGGCT	1561	2581	CTCACCGTGGGCTGGAAGAAAGAGCATCGACTTGAATTTCTCCAAACCATCATCCCTCT	2640
QY	1501	CTTTGTACCAACAGCTGCGAGAGAGCTGGTTCGCAAGAGCGCTTCCCGAGGTGTACG	1560	2642	CTCACCGTGGGCTGGAAGAAAGAGCATCGACTTGAATTTCTCCAAACCATCATCCCTCT	2701
DB	1562	CTTTGTACCAACAGCTGCGAGAGAGCTGGTTCGCAAGAGCGCTTCCCGAGGTGTACG	1621	2641	TTTTTCTTTCTTCCACACTCCCACTCCCACTCCCACTCCCACTCCCACTCCCACTCC	2700
QY	1561	ACAAGATCTGCAAGGCGCGGACCTGAGCTGGAGCCCGCTGGAGACAGACACGCTG	1620	2702	TTTTTCTTTCTTCCACACTCCCACTCCCACTCCCACTCCCACTCCCACTCCCACTCC	2761
DB	1622	ACAAGATCTGCAAGGCGCGGACCTGAGCTGGAGCCCGCTGGAGACAGACACGCTG	1681	2701	TAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGAGGAGGACCTCCCTAGTCTCTTCC	2760
QY	1621	TGAGTGTGAGGATCTTCCCTTCACTCAAGCTTTGGCTGCTTTCCTAGATCCACATTC	1680	2762	TAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGAGGAGGACCTCCCTAGTCTCTTCC	2821
DB	1682	TGAGTGTGAGGATCTTCCCTTCACTCAAGCTTTGGCTGCTTTCCTAGATCCACATTC	1741	2761	CTGGCTTGTATTAACCCAAAGCTTGGTGTATGCAACTCTATCTTTAAGAACTGCCCAG	2820
QY	1681	AAAGAGAAACCCCTCCAGAACTCCACCTGACAGCCCAACACCTTCCCTCTGGCTT	1740	2822	CTGGCTTGTATTAACCCAAAGCTTGGTGTATGCAACTCTATCTTTAAGAACTGCCCAG	2881
DB	1742	AAAGAGAAACCCCTCCAGAACTCCACCTGACAGCCCAACACCTTCCCTCTGGCTT	1801	2821	CCTCAGCTGAAACCCCACTCTGAGAGGAAATGGCTCATGTAAAGGAGAGCTGGAAATTA	2880
QY	1741	CCAGGGGCGAGCCAGTGGAAATGGAAGAAATGTTGGGATTTGGAGTCCAGCAAGCCTGAGT	1800	2881	GGGAGCTGAGCCAGTCAATGTTGTGGCTGAGTCCAGGAGACCTAGGTTTCAGCCCTC	2940
DB	1802	CCAGGGGCGAGCCAGTGGAAATGGAAGAAATGTTGGGATTTGGAGTCCAGCAAGCCTGAGT	1861	2942	GGGAGCTGAGCCAGTCAATGTTGTGGCTGAGTCCAGGAGACCTAGGTTTCAGCCCTC	3001
QY	1801	CCAGTTCCCGTTTGAACCTATAGCTGTGATCTCTGGGTGAGTCCCTTAACCCCTCT	1860	2941	TTCTACTGTTCAGGAGCTGTGCAACGTGGGCAAGTCAATGTTCTCTGAGCTGCAAGTTTCT	3000
DB	1862	CCAGTTCCCGTTTGAACCTATAGCTGTGATCTCTGGGTGAGTCCCTTAACCCCTCT	1921	3002	TCTACTGTTCAGGAGCTGTGCAACGTGGGCAAGTCAATGTTCTCTGAGCTGCAAGTTTCT	3061
QY	1861	GAGCCGCGTCTTCAATAGTTGAAGGATAGTAACTACTCTTGCAGGTTGTTGTCA	1920	3001	CATCTGTCACTGCTTACAGCAAGACCTCCCTCGGAAACCCCTTCTGTATTCTTAGACACT	3060
DB	1922	GAGCCGCGTCTTCAATAGTTGAAGGATAGTAACTACTCTTGCAGGTTGTTGTCA	1981			

Qy	3421	ATCCTATATTTTACAAAGCATGTGAAATTC	TGGCAATTAGCTCTCATAGGAGACCATGTGC	3480
Db	3482	ATCCTATATTTTACAAAGCATGTGAAATTC	TGGCAATTAGCTCTCATAGGAGACCATGTGC	3541
Qy	3481	TTTCCTTGCTCAGTGC	CAAACTGATGATTTCTACTTCTGTAGATGAATGGTTAACACGAGC	3540
Db	3542	TTTCCTTGCTCAGTGC	CAAAACATGATGATTTCTACTTCTGTAGATGAATGGTTAACACGAGC	3601
Qy	3541	TAGTTAAACAGTGC	CAATGTTTTGCCAGTGAAGCTCCAAACCTTAAGCCCACTGGGACGT	3600
Db	3602	TAGTTAAACAGTGC	CAATGTTTTGCCAGTGAAGCTCCAAACCTTAAGCCCACTGGGACGT	3661
Qy	3601	GGCCAGAGATGCC	CAGACGCTCTGTGCGCCCTTAGTTCATATAACAAATCCAGACCTTAT	3660
Db	3662	GGCCAGAGATGCC	CAGACGCTCTGTGCGCCCTTAGTTCATATAACAAATCCAGACCTTAT	3721
Qy	3661	CCACAAACCCGGGGCTTGG	AAAGAGTATTTTGGAAATCAACCCCTCCGGTTATGTGCT	3720
Db	3722	CCACAAACCCGGGGCTTGG	AAAGAGTATTTTGGAAATCAACCCCTCCGGTTATGTGCT	3781
Qy	3721	CCAGTAAATCTTGCCTTGG	AAAGGAGGAGCTTCTTAGCATGTGTAGCTCAGTTCATGGC	3780
Db	3782	CCAGTAAATCTTGCCTTGG	AAAGGAGGAGCTTCTTAGCATGTGTAGCTCAGTTCATGGC	3841
Qy	3781	TTTTTTTTGTAGCCAGTCTGT	CCCTGGCCATCCATGTGATGGTTTTTGGATGGAGTTAAA	3840
Db	3842	TTTTTTTTGTAGCCAGTCTGT	CCCTGGCCATCCATGTGATGGTTTTTGGATGGAGTTAAA	3901
Qy	3841	CTTGATGCCAGTGGCAGTGC	ATGTGGAAAGTATCAGAGTAAGCCTCTCCCTCCAGAGC	3900
Db	3902	CTTGATGCCAGTGGCAGTGC	ATGTGGAAAGTATCAGAGTAAGCCTCTCCCTCCAGAGC	3961
Qy	3901	CTTGAGTTTCTTGCTGC	ATGAAGTCTTTCTTAGAATCAGAATGTAGCCAGTTTCTTT	3960
Db	3962	CTTGAGTTTCTTGCTGC	ATGAAGTCTTTCTTAGAATCAGAATGTAGCCAGTTTCTTT	4021
Qy	3961	GGCCAGAAGGATGAATCTTGG	ATATTTACTCAAAAGGAGGGGTGGAGATGGGTGTGGCAG	4020
Db	4022	GGCCAGAAGGATGAATCTTGG	ATATTTACTCAAAAGGAGGGGTGGAGATGGGTGTGGCAG	4081
Qy	4021	TGTATGGTGTGTGATTTTTT	TTCTTTTGGTCTATGGGGGCCAAAGGAGAAAGGCATGA	4080
Db	4082	TGTATGGTGTGTGATTTTTT	TTCTTTTGGTCTATGGGGGCCAAAGGAGAAAGGCATGA	4141
Qy	4081	ATCTTCCCTGT	CAGGCTCTTACAGCCACAGGCACTGTGTCTACTGTCTGTGAAGACATGTC	4140
Db	4142	ATCTTCCCTGT	CAGGCTCTTACAGCCACAGGCACTGTGTCTACTGTCTGTGAAGACATGTC	4201
Qy	4141	CCCGTGCTGTGGGGCCGCTCT	GTCTGTTTAAATAAAAGTGGCCTGG	4187
Db	4202	CCCGTGCTGTGGGGCCGCTCT	GTCTGTTTAAATAAAAGTGGCCTGG	4248

RESULT 11
US-10-934-998-32
; Sequence 32, Application US/10934998
; Publication No. US20050153917A1
; GENERAL INFORMATION:
; APPLICANT: AL-MAHMOOD, SALMAN
; APPLICANT: COLIN, SYLVIE
; APPLICANT: SCHNEIDER, CHRISTOPHE
; TITLE OF INVENTION: GENES INVOLVED IN REGULATING ANGIOGENESIS, PHARMACEUTICAL
; TITLE OF INVENTION: PREPARATIONS CONTAINING SAME AND APPLICATIONS THEREOF
; FILE REFERENCE: BMA-04-1206
; CURRENT APPLICATION NUMBER: US/10/934,998
; CURRENT FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: PCT/FR03/00695
; PRIOR FILING DATE: 2003-03-04
; PRIOR APPLICATION NUMBER: FR02/02717
; PRIOR FILING DATE: 2002-03-04
; PRIOR APPLICATION NUMBER: FR02/04546
; PRIOR FILING DATE: 2002-04-11

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; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
; LENGTH: 4248
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: GS-N31
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GENEBAK/AF261758
; DATABASE ENTRY DATE: 2000-10-10
; RELEVANT RESIDUES: (1)..(4248)
US-10-934-998-32

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Query Match				100.0%;	Score 4187;	DB 22;	Length 4248;
Best Local Similarity				100.0%;	Pred. No. 0;		
Matches 4187;				Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	GGGCGCAACCGCAGCGCTTTACCGCGGGCGCGCACCATGGAGCCCGCGCTGTCGCTGG	60				
Db	62	GGGCGCAACCGCAGCGCTTTACCGCGGGCGCGCACCATGGAGCCCGCGCTGTCGCTGG	121				
Qy	61	CCGFTGCGCGCTGCTCTTCTCTGFTGGGTGCGCCTGAAGGGGCTGGAGTTCTGTCTCA	120				
Db	122	CCGFTGCGCGCTGCTCTTCTCTGFTGGGTGCGCCTGAAGGGGCTGGAGTTCTGTCTCA	181				
Qy	121	TCACACAGCGCTGGGTGTTGAGTGCGCTTCTCTCTGCGCGCTCTGCTTATCTTCGATA	180				
Db	182	TCACACAGCGCTGGGTGTTGAGTGCGCTTCTCTCTGCGCGCTCTGCTTATCTTCGATA	241				
Qy	181	TCTACTACTAGTGGCGCCTGGGTGTTCAAGCTCAGCAGCGCTCCGCGCTGCACG	240				
Db	242	TCTACTACTAGTGGCGCCTGGGTGTTCAAGCTCAGCAGCGCTCCGCGCTGCACG	301				
Qy	241	AGCAGCGCTGCGGACATCCAGAAGCAGGTGCGGGAATGGAAGGACGAGGTAGCAAGA	300				
Db	302	AGCAGCGCTGCGGACATCCAGAAGCAGGTGCGGGAATGGAAGGACGAGGTAGCAAGA	361				
Qy	301	CTTTCAATGTCACGGGGCGCCTGGCTGCGCTCACTGTCTCACTACGTGTCGGGAAGTACA	360				
Db	362	CTTTCAATGTCACGGGGCGCCTGGCTGCGCTCACTGTCTCACTACGTGTCGGGAAGTACA	421				
Qy	361	AGAAGACACAAAAAATCATGATCAACTGATGACATTTCTGGAAAGTGGACACCAAGA	420				
Db	422	AGAAGACACAAAAAATCATGATCAACTGATGACATTTCTGGAAAGTGGACACCAAGA	481				
Qy	421	AACAGATTGTCCTGTGGAGCCCTTGGTGACCATGGCCAGGTGACCTGCTGACCT	480				
Db	482	AACAGATTGTCCTGTGGAGCCCTTGGTGACCATGGCCAGGTGACCTGCTGACCT	541				
Qy	481	CCATTGGCTGGACTCTCCCGTGTGCTGAGCTTGATGACCTCACAGTGGGGGCTTGA	540				
Db	542	CCATTGGCTGGACTCTCCCGTGTGCTGAGCTTGATGACCTCACAGTGGGGGCTTGA	601				
Qy	541	TCATGGGCACAGCATCGAGTCATCATCCACAAGTACGGCCTGTTCACACATCTGCA	600				
Db	602	TCATGGGCACAGCATCGAGTCATCATCCACAAGTACGGCCTGTTCACACATCTGCA	661				
Qy	601	CTGCTTACGAGCTGGTCTCGGCTGATGGCAGCTTTGTGGCATGCACCTCCGTCGAAAACT	660				
Db	662	CTGCTTACGAGCTGGTCTCGGCTGATGGCAGCTTTGTGGCATGCATCCGTCGAAAACT	721				
Qy	661	CAGACTGTTCTATGCGGTACCTGCTCTGTGGGACGTGGGTTCCTGGTGGCGCTG	720				
Db	722	CAGACTGTTCTATGCGGTACCTGCTCTGTGGGACGTGGGTTCCTGGTGGCGCTG	781				
Qy	721	AGATCCGCATCATCCCTGCCAAGTACGTCAAGCTGCGTTTCGAGCCAGTGGGGGCC	780				
Db	782	AGATCCGCATCATCCCTGCCAAGTACGTCAAGCTGCGTTTCGAGCCAGTGGGGGCC	841				
Qy	781	TGGAGGCTATCTGTGCCAAGTTCCACCAAGTCCAGCGGCAGGAGAACCACTTCGTGG	840				
Db	842	TGGAGGCTATCTGTGCCAAGTTCCACCAAGTCCAGCGGCAGGAGAACCACTTCGTGG	901				

QY	3601	GGCAGAGATGCGAGAGCCCTCTGTGCGCCCTTAGTCAATATAACAAATCCAGACCTTAT	3660
Db	3601	GGCAGAGATGCGAGAGCCCTCTGTGCGCCCTTAGTCAATATAACAAATCCAGACCTTAT	3660
QY	3661	CCAAACCCGGGCTTGGAAAGAGTATTTTGGAAATCACACCTCCGGTTATGTGCT	3720
Db	3661	CCAAACCCGGGCTTGGAAAGAGTATTTTGGAAATCACACCTCCGGTTATGTGCT	3720
QY	3721	CCAGTAAATCTTGGCTGGAAAGAGGAGCTCTTTAGCATGTGTAGCTGAGTTCATGGC	3780
Db	3721	CCAGTAAATCTTGGCTGGAAAGAGGAGCTCTTTAGCATGTGTAGCTGAGTTCATGGC	3780
QY	3781	TTTTTTTTTGGCCAGTCTGTCCCTGGCCATCCATGTGATGTTTGGATGGAGTTAAA	3840
Db	3781	TTTTTTTTTGGCCAGTCTGTCCCTGGCCATCCATGTGATGTTTGGATGGAGTTAAA	3840
QY	3841	CTTGATGCCAGTGGGCGAGTCATGTGGAAGTATCAGAGTAAGCCTTCCCTCCAGAGC	3900
Db	3841	CTTGATGCCAGTGGGCGAGTCATGTGGAAGTATCAGAGTAAGCCTTCCCTCCAGAGC	3900
QY	3901	CCGTAGTTCTTGGCTGCATGAAGTTTCTTTAGAAATCAGAAATGTAGCCAGTTCTTT	3960
Db	3901	CCGTAGTTCTTGGCTGCATGAAGTTTCTTTAGAAATCAGAAATGTAGCCAGTTCTTT	3960
QY	3961	GGCCAGAGGATGAATACTTTGGATATTTACTGAAAGGGAGGGGTGAGATGGGTGTGGCAG	4020
Db	3961	GGCCAGAGGATGAATACTTTGGATATTTACTGAAAGGGAGGGGTGAGATGGGTGTGGCAG	4020
QY	4021	TGTATGGTGTGATTTTATTTTCTTTTGGTTCATGGGGCCAAAGGAAAGGCATGA	4080
Db	4021	TGTATGGTGTGATTTTATTTTCTTTTGGTTCATGGGGCCAAAGGAAAGGCATGA	4080
QY	4081	ATCTTCCCTGTGAGGCTTTACAGCACAGGCACTGTCTACTGTCTGTAAGACATGTC	4140
Db	4081	ATCTTCCCTGTGAGGCTTTACAGCACAGGCACTGTCTACTGTCTGTAAGACATGTC	4140
QY	4141	CCCGTGGCTGTGGGGCGCTGTCTTCTGTTTAAATAAAAGTGGCCTGG	4187
Db	4141	CCCGTGGCTGTGGGGCGCTGTCTTCTGTTTAAATAAAAGTGGCCTGG	4187

RESULT 10
US-10-956-157-1950
; Sequence 1950, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1950
; LENGTH: 4248
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-956-157-1950

Query Match 100.0%; Score 4187; DB 21; Length 4248;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GGCGCGAACCCGAGCGCTTACCGCGCGCGCGCCACCATGGAGCCCGCGTGTGCTGG	60
Db	62	GGCGCGAACCCGAGCGCTTACCGCGCGCGCGCCACCATGGAGCCCGCGTGTGCTGG	121
QY	61	CCGTGTGCGCGCTGTCTTCTGCTGTGGGTGGCTTGAAGGGGCTGGAGTTCGTGCTCA	120
Db	122	CCGTGTGCGCGCTGTCTTCTGCTGTGGGTGGCTTGAAGGGGCTGGAGTTCGTGCTCA	181

QY	121	TCACACAGCGCTGGGTGTTCTGTGTGCTCTTCTCTCTGCGGCTCTCTGCTTATCTTCGATA	180
Db	182	TCACACAGCGCTGGGTGTTCTGTGTGCTCTTCTCTCTGCGGCTCTCTGCTTATCTTCGATA	241
QY	181	TCCTACTACTAGTGTGCGGCTCTGGGTGGTTCAGCTCAGCAGCGCTCCCGGCTTGCACG	240
Db	242	TCCTACTACTAGTGTGCGGCTCTGGGTGGTTCAGCTCAGCAGCGCTCCCGGCTTGCACG	301
QY	241	AGCAGCGCTGTGCGGAGCATTCACAAAGCAGGTGCGGAAATGGAAGAGCAGGCTAGCAAGA	300
Db	302	AGCAGCGCTGTGCGGAGCATTCACAAAGCAGGTGCGGAAATGGAAGAGCAGGCTAGCAAGA	361
QY	301	CTTTCATGTGCACGCGGCGCCCTGGCTGGCTCACTGTCTCACTACGTGTGCGGAAGTACA	360
Db	362	CTTTCATGTGCACGCGGCGCCCTGGCTGGCTCACTGTCTCACTACGTGTGCGGAAGTACA	421
QY	361	AGAAGACACACAAAAACATCATGATCAACCTGATGGACATTTCTGGAAGTGGACACCAAGA	420
Db	422	AGAAGACACACAAAAACATCATGATCAACCTGATGGACATTTCTGGAAGTGGACACCAAGA	481
QY	421	AACAGATTGTTCGTGTGGAGCCCTTGGTGACCATGGCCAGGTGACTGCCCTGCTGACCT	480
Db	482	AACAGATTGTTCGTGTGGAGCCCTTGGTGACCATGGCCAGGTGACTGCCCTGCTGACCT	541
QY	481	CCATTGGCTGGACTCTCCCGCTGTGCTGAGCTTGATGACCTCACAGTGGGGGCTTGA	540
Db	542	CCATTGGCTGGACTCTCCCGCTGTGCTGAGCTTGATGACCTCACAGTGGGGGCTTGA	601
QY	541	TCATGGGCAAGGATCGAGTCAATCCACAAGTACGGCCTGTTCACAAACATCTGCA	600
Db	602	TCATGGGCAAGGATCGAGTCAATCCACAAGTACGGCCTGTTCACAAACATCTGCA	661
QY	601	CTGCTTACGAGCTGTCTGGCTGATGGGAGCTTTCTGCGATGACCTCCGTTCGGAAGCT	660
Db	662	CTGCTTACGAGCTGTCTGGCTGATGGGAGCTTTCTGCGATGACCTCCGTTCGGAAGCT	721
QY	661	CAGACCTGTTCTATGCGCTACCCCTGCTGTGGGAGCTGTGGTTCCTGCTGGCGGCTG	720
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QY	721	AGATCCGCATCATCTCTGCGCAAGATGACGTCAAGCTGGCTTTTCGAGCCAGTGGGGGCC	780
Db	782	AGATCCGCATCATCTCTGCGCAAGATGACGTCAAGCTGGCTTTTCGAGCCAGTGGGGGCC	841
QY	781	TGGAGGCTATCTGTGCCAAGTTTCAACCCAGAGTCCAGCGGCGAGGAGACCATCTCGTGG	840
Db	842	TGGAGGCTATCTGTGCCAAGTTTCAACCCAGAGTCCAGCGGCGAGGAGACCATCTCGTGG	901
QY	841	AAGGGCTGCTCTACTCTCTGAGTGGCTGTCTATTATGACAGGGGTCATGACAGATGAGG	900
Db	902	AAGGGCTGCTCTACTCTCTGAGTGGCTGTCTATTATGACAGGGGTCATGACAGATGAGG	961
QY	901	CAGAGCCAGCAGCTGAATAGCAATTGGCAATPACTAACAGCCGTGGTCTTTAAGCATG	960
Db	962	CAGAGCCAGCAGCTGAATAGCAATTGGCAATPACTAACAGCCGTGGTCTTTAAGCATG	1021
QY	961	TGGAGAACTATCTGAAGACAAACCGAGAGGCGCTGGAGTACATTCCTTTGAGACACTACT	1020
Db	1022	TGGAGAACTATCTGAAGACAAACCGAGAGGCGCTGGAGTACATTCCTTTGAGACACTACT	1081
QY	1021	ACCACCGCACACGCGCAGCATCTTCTGGGAGCTCCAGGACATCATCCCCCTTTGGCAACA	1080
Db	1082	ACCACCGCACACGCGCAGCATCTTCTGGGAGCTCCAGGACATCATCCCCCTTTGGCAACA	1141
QY	1081	ACCCCATCTTCCGCTACCTCTTTGGTGGATGGTCTCCCAAGATCTCCCTCTGAAAGC	1140
Db	1142	ACCCCATCTTCCGCTACCTCTTTGGTGGATGGTCTCCCAAGATCTCCCTCTGAAAGC	1201
QY	1141	TGACCCAGGGTGAAGCCCTGCGCAAGCTGTACAGCAGCACACCGTGGTGCAGACATGC	1200
Db	1202	TGACCCAGGGTGAAGCCCTGCGCAAGCTGTACAGCAGCACACCGTGGTGCAGACATGC	1261
QY	1201	TGTTGCCCATGAAGTGCCTGCGAGGCGCTGACACCTTTCACAAACGACATCCACGTCT	1260

1381 TTGAAGCCAGGTCCTGCGATGAGCAGCTGGAGAAAGTTTGTGCCGACGGTGCATGGCTTCC 1440
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2221 CTCCTTGCCATCTTGTGTGCGCTCTGCGCTTCTCTCTTCTGATGCTGCGCTGCGAGGCC 2280
2281 CACCCAGCCACCACTGAGTCCACTCGAGTGGCCCTGTGTCTTGGAGAGGCAATTCACG 2340
2281 CACCCAGCCACCACTGAGTCCACTCGAGTGGCCCTGTGTCTTGGAGAGGCAATTCACG 2340
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2401 TGAATTTGAATCCAGGGGACCTGGGCTCATTTCTTGTGGCTCACCAACCTTGCAGGCTTCA 2460
2461 TCTTTCCCAAAACCACTTTGTCTTGTGGGAGTGGGTCCGCTGCTGCGAGCAGGGG 2520
2461 TCTTTCCCAAAACCACTTTGTCTTGTGGGAGTGGGTCCGCTGCTGCGAGCAGGGG 2520

2521 CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGGATT 2580
2521 CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGGATT 2580
2581 CTCACCGTGGGCTGGAAAGAGCATCGACTTGATTTCTCCAAACCATCATCTCTCT 2640
2581 CTCACCGTGGGCTGGAAAGAGCATCGACTTGATTTCTCCAAACCATCATCTCTCTCT 2640
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3001 CATCTGTCACTCGCTTACAGACAGACCTTCCCTGGAAACCTTCTGATTTGTCTTAGACACT 3060
3001 CATCTGTCACTCGCTTACAGACAGACCTTCCCTGGAAACCTTCTGATTTGTCTTAGACACT 3060
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3181 CATCTCATTTCCAGAAAGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTTCTCATTTCC 3240
3181 CATCTCATTTCCAGAAAGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTTCTCATTTCC 3240
3241 AGGTGCCAGAACTCTCTCAGAGTCAATTGAAAGGTGTTCACCCATCCCAAGGCTTGG 3300
3241 AGGTGCCAGAACTCTCTCAGAGTCAATTGAAAGGTGTTCACCCATCCCAAGGCTTGG 3300
3301 CACACTGCCAGTGTCTTAGCAGGCTTGTGAGGGCTGGGGCATCCAGGCACTCAGAAG 3360
3301 CACACTGCCAGTGTCTTAGCAGGCTTGTGAGGGCTGGGGCATCCAGGCACTCAGAAG 3360
3361 GCAAGGAAACCAACCTTACCCATTTGGCCTCTGAGGGGGCAGAGAAAGAAAGAAACCTC 3420
3361 GCAAGGAAACCAACCTTACCCATTTGGCCTCTGAGGGGGCAGAGAAAGAAAGAAACCTC 3420
3421 ATCTTATATTTTCAAGCAATGTGAATTTCTGGCAATTTAGCTCTCATTAAGGAGCCCATGTGC 3480
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3541 TAGTTAAACAGTGCCTATTTGTTGCCAGTGAAGCCCTCCAAACCTTAAGCCACTGGGACGGT 3600
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Db 3961 GGCACAGAGTGAATACTTGGATATTAATCTAAAGAGGAGGGTGGAGATGGGTGGCAG 4020
Qy 4021 TGTATGTTGTGATTTTATTTCTTTTGGTCAATGGGGCCCAAGAGAAAGGCATGA 4080
Db 4021 TGTATGTTGTGATTTTATTTCTTTTGGTCAATGGGGCCCAAGAGAAAGGCATGA 4080
Qy 4081 ATCTTCCCTGTGAGGCTTTACAGCCACAGGCACTGTGTCTACTGTCTGGAAGACATGTC 4140
Db 4081 ATCTTCCCTGTGAGGCTTTACAGCCACAGGCACTGTGTCTACTGTCTGGAAGACATGTC 4140
Qy 4141 CCGTGGCTGTGGGGCCGCTGCTTCTGTTTAAATAAAAGTGCCCTGG 4187
Db 4141 CCGTGGCTGTGGGGCCGCTGCTTCTGTTTAAATAAAAGTGCCCTGG 4187

RESULT 9

US-10-934-998-53
; Sequence 53, Application US/10934998
; Publication No. US20050153917A1
; GENERAL INFORMATION:
; APPLICANT: AL-WAHMOOD, SALMAN
; APPLICANT: COLIN, SYLVIE
; APPLICANT: SCHNEIDER, CHRISTOPHE
; TITLE OF INVENTION: GENES INVOLVED IN REGULATING ANGIOGENESIS, PHARMACEUTICAL
; TITLE OF INVENTION: PREPARATIONS CONTAINING SAME AND APPLICATIONS THEREOF
; FILE REFERENCE: BWA-04-1206
; CURRENT APPLICATION NUMBER: US/10/934,998
; CURRENT FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: PCT/FR03/00695
; PRIOR FILING DATE: 2003-03-04
; PRIOR APPLICATION NUMBER: FR02/02717
; PRIOR FILING DATE: 2002-03-04
; PRIOR APPLICATION NUMBER: FR02/04546
; PRIOR FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 53
; LENGTH: 4187.
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: GS-N53
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GENBANK/D13643
; DATABASE ENTRY DATE: 2001-10-06
; RELEVANT RESIDUES: (1)..(4187)
US-10-934-998-53

Query Match 100.0%; Score 4187; DB 22; Length 4187;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGCAGAACCCGAGCGCTTACCGCGCGCGCCGACCATGAGCGCCGCGTGTGCGTGG 60
Db 1 GGCAGAACCCGAGCGCTTACCGCGCGCGCCGACCATGAGCGCGCGTGTGCGTGG 60
Qy 61 CCGTGTGCGCGTGTCTTCTGCTGTGGGTGGCGCTGAAGGGGCTGGATTGCTGCTCA 120
Db 61 CCGTGTGCGCGTGTCTTCTGCTGTGGGTGGCGCTGAAGGGGCTGGATTGCTGCTCA 120
Qy 121 TCACACAGCGCTGGGTGTGCTGTGCTCTTCTGCTGCGGCTCTCGCTTATCTTCGATA 180
Db 121 TCACACAGCGCTGGGTGTGCTGTGCTCTTCTGCTGCGGCTCTCGCTTATCTTCGATA 180
Qy 181 TCTACTACTAGTGGCGCTGGGTGTGCTGTTCAGCTCAGACGCTCCGCGCTGCAAG 240
Db 181 TCTACTACTAGTGGCGCTGGGTGTGCTGTTCAGCTCAGACGCTCCGCGCTGCAAG 240
Qy 241 AGCAGCGCTGGCGACATCAGACAGCTGGGATGGAAGGACAGGCTAGCAAGA 300
Db 241 AGCAGCGCTGGCGGACATCAGACAGCTGGGATGGAAGGACAGGCTAGCAAGA 300
Qy 301 CCTTCATGTGACGGGGCGCCCTGGCTGCTCACTGTCTCACTACGTTGCGGAAGTACA 360

Db 301 CCTTCATGTGACGGGGCGCCCTGGCTGGCTCACTGTCTCACTACGTTGTCGGGAAGTACA 360
Qy 361 AGAAGACACAAAAAATCATGATCAACCTGATGGACATCTGGAGTGGACACCAAGA 420
Db 361 AGAAGACACAAAAAATCATGATCAACCTGATGGACATCTGGAGTGGACACCAAGA 420
Qy 421 AACAGATTGTCCGTGTGGAGCCCTTGGTGACCAATGGGCCAGGTGACCTGCTGACCT 480
Db 421 AACAGATTGTCCGTGTGGAGCCCTTGGTGACCAATGGGCCAGGTGACCTGCTGACCT 480
Qy 481 CCATTGGCTGGACTCTCCCGCTGTGCTGAGCTTGTATGACCTCACAGTGGGGGCTTGA 540
Db 481 CCATTGGCTGGACTCTCCCGCTGTGCTGAGCTTGTATGACCTCACAGTGGGGGCTTGA 540
Qy 541 TCATGGGCAAGGATCGAGTCATCATCCACAAGTACGGGCTGTTTCCAAACATCTGCA 600
Db 541 TCATGGGCAAGGATCGAGTCATCATCCACAAGTACGGGCTGTTTCCAAACATCTGCA 600
Qy 601 CTGCTTACGAGCTGGTCTCGCTGATGGCAGCTTTGTGCGATGCACTCCGTCCGAAACT 660
Db 601 CTGCTTACGAGCTGGTCTCGCTGATGGCAGCTTTGTGCGATGCACTCCGTCCGAAACT 660
Qy 661 CAGACCTGTTCTATGCCGTACCTGCTGTGGGACGCTGGGTTTCTGTTGGCCGCTG 720
Db 661 CAGACCTGTTCTATGCCGTACCTGCTGTGGGACGCTGGGTTTCTGTTGGCCGCTG 720
Qy 721 AGATCCGCATCATCCCTGCCAAGTACGTCAAGCTGCTTTTCGAGCCAGTGGGGGCC 780
Db 721 AGATCCGCATCATCCCTGCCAAGTACGTCAAGCTGCTTTTCGAGCCAGTGGGGGCC 780
Qy 781 TGGAGGCTATCTGTCGCAAGTTCCACCAGGTCCTGAGGAGGAGGAAACACTTCTG 840
Db 781 TGGAGGCTATCTGTCGCAAGTTCCACCAGGTCCTGAGGAGGAGGAAACACTTCTG 840
Qy 841 AAGGGTGTCTACTCTCCCTGGATGAGGCTGTCAATATGACAGGGGTCAATGACAGATGAGG 900
Db 841 AAGGGTGTCTACTCTCCCTGGATGAGGCTGTCAATATGACAGGGGTCAATGACAGATGAGG 900
Qy 901 CAGAGCCAGCAAGCTGAATAGCATTTGGCAATTAATAAAGCGTGGTCTTTTAAAGCATG 960
Db 901 CAGAGCCAGCAAGCTGAATAGCATTTGGCAATTAATAAAGCGTGGTCTTTTAAAGCATG 960
Qy 961 TGGAGAACTATCTGAAGACAAACCGAGAGGCGCTGGAGTACATTCCTTCAGACACTACT 1020
Db 961 TGGAGAACTATCTGAAGACAAACCGAGAGGCGCTGGAGTACATTCCTTCAGACACTACT 1020
Qy 1021 ACCACGCCACACCGCGCAGCATCTTCTGGGAGCTCCAGGACATCATCCCTTTGGCAACA 1080
Db 1021 ACCACGCCACACCGCGCAGCATCTTCTGGGAGCTCCAGGACATCATCCCTTTGGCAACA 1080
Qy 1081 ACCCATCTTCCGCTACCTCTTTGGTGGATGGTGTCTCCCAAGATCTCCCTCTCTGAAGC 1140
Db 1081 ACCCATCTTCCGCTACCTCTTTGGTGGATGGTGTCTCCCAAGATCTCCCTCTCTGAAGC 1140
Qy 1141 TGACCCAGGGTGAGACCTCGCAGAGCTGTACAGCAGACCAACGTTGGTGGAGACATGC 1200
Db 1141 TGACCCAGGGTGAGACCTCGCAGAGCTGTGTACAGCAGACCAACGTTGGTGGAGACATGC 1200
Qy 1201 TGTGTGCCATGAAAGTGCCTGACAGCGCCCTGCACACCTTTCCAAAACGATCCACGCTCT 1260
Db 1201 TGTGTGCCATGAAAGTGCCTGACAGCGCCCTGCACACCTTTCCAAAACGATCCACGCTCT 1260
Qy 1261 ACCCATCTGGCTGTGTCGTTTCACTGTCAGCAGCAGCGCTGTAGTGCACCCCAAG 1320
Db 1261 ACCCATCTGGCTGTGTCGTTTCACTGTCAGCAGCAGCGCTGTAGTGCACCCCAAG 1320
Qy 1321 GAAATGAGGAGAGCTCTACATCGACATTTGGAGCATATGGGAGCCGCTGTGAAACACT 1380
Db 1321 GAAATGAGGAGAGCTCTACATCGACATTTGGAGCATATGGGAGCCGCTGTGAAACACT 1380
Qy 1381 TTGAAGCCAGGTCCTGCATGAGGAGCTGTGAGAAAGTTTGTCCGAGCGTGCATGGCTTCC 1440
Db 1381 TTGAAGCCAGGTCCTGCATGAGGAGCTGTGAGAAAGTTTGTCCGAGCGTGCATGGCTTCC 1440

QY 1801 CCAGTTCCCGGTTAGAACTCATTTAGTCTGTGACTCTCGGTGAGTCCCTTAACCCCTCT 1860
 Db 1801 CCAGTTCCCGGTTAGAACTCATTTAGTCTGTGACTCTCGGTGAGTCCCTTAACCCCTCT 1860
 QY 1861 GAGCCCGGCTCTCTTCAATTTAGTTGAAAGGATAGTAATACCTACTTTGCAAGTTGTTGTCA 1920
 Db 1861 GAGCCCGGCTCTCTTCAATTTAGTTGAAAGGATAGTAATACCTACTTTGCAAGTTGTTGTCA 1920
 QY 1921 TCTGAGTTGAGCACTCGTCAATTTGAAAGTGTGGGTAAAGTGTAGTCTCTTGTGTTCTCC 1980
 Db 1921 TCTGAGTTGAGCACTCGTCAATTTGAAAGTGTGGGTAAAGTGTAGTCTCTTGTGTTCTCC 1980
 QY 1981 CGTTACAGCTCAATCTGAGTGGAGCCCTGAAAGGCTCCACATTAAGTCACTGTGAC 2040
 Db 1981 CGTTACAGCTCAATCTGAGTGGAGCCCTGAAAGGCTCCACATTAAGTCACTGTGAC 2040
 QY 2041 AGCCATGGCTGGAATGATGAAGGGGATACGCTGGAGTTGCCCTGCCATCGCCTCCATCAG 2100
 Db 2041 AGCCATGGCTGGAATGATGAAGGGGATACGCTGGAGTTGCCCTGCCATCGCCTCCATCAG 2100
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 Db 2101 CCAGACGAGTCTCTCACAGGAGGAGACAGCTCTCCACCCCTGGGATCTCAGGAGGGC 2160
 QY 2161 AGCCACGAGTGGGAGGCCCCAGATCGCGTGTGCCAAAGCCAGGTCGAGGGCCAAAGTT 2220
 Db 2161 AGCCACGAGTGGGAGGCCCCAGATCGCGTGTGCCAAAGCCAGGTCGAGGGCCAAAGTT 2220
 QY 2221 CTCCCTGCCATCTTGGTGGCGTCTGCCCTTCTCTTCTCATGCTGGGCTGCAAGGC 2280
 Db 2221 CTCCCTGCCATCTTGGTGGCGTCTGCCCTTCTCTTCTCATGCTGGGCTGCAAGGC 2280
 QY 2281 CACCCAGCCACCACTGAGTCCACTCGGAGTGCCTGTGTCTCGAGAGGCAATTCACAG 2340
 Db 2281 CACCCAGCCACCACTGAGTCCACTCGGAGTGCCTGTGTCTCGAGAGGCAATTCACAG 2340
 QY 2341 GGTGGAATCTTGTCCAGCCTCAGCTCGGAGTGCCTGTGTCTCGAGAGGCAATTCACAG 2400
 Db 2341 GGTGGAATCTTGTCCAGCCTCAGCTCGGAGTGCCTGTGTCTCGAGAGGCAATTCACAG 2400
 QY 2401 TGAATTTGATCCAGGGGACCTGGCTCATTTCTTTGGCTCACAACCCCTGCAAGGCTCA 2460
 Db 2401 TGAATTTGATCCAGGGGACCTGGCTCATTTCTTTGGCTCACAACCCCTGCAAGGCTCA 2460
 QY 2461 TCTTTTCCCAAAACCACTTTGTCTTGTGGGAGTGGTCCGCTGCTCTGCAAGAGGGG 2520
 Db 2461 TCTTTTCCCAAAACCACTTTGTCTTGTGGGAGTGGTCCGCTGCTCTGCAAGAGGGG 2520
 QY 2521 CTGGGAGTGGACAGCATCAGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGGATT 2580
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 QY 2581 CTCACGTTGGGCTGGAGAAAGAGCATCGACTTGAATTTCTCAACCACTCATCTCTCT 2640
 Db 2581 CTCACGTTGGGCTGGAGAAAGAGCATCGACTTGAATTTCTCAACCACTCATCTCTCT 2640
 QY 2641 TTTTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAATTTTCAAGTCCCTTCAAAATCC 2700
 Db 2641 TTTTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAATTTTCAAGTCCCTTCAAAATCC 2700
 QY 2701 TAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGGAAGGAACTCCCTTAGTCTCTTCC 2760
 Db 2701 TAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGGAAGGAACTCCCTTAGTCTCTTCC 2760
 QY 2761 CTGGCTTGTATTAACGGAAGCTTGGTTGTTTATGCACTCTATCTTAAGAACTGCCAG 2820
 Db 2761 CTGGCTTGTATTAACGGAAGCTTGGTTGTTTATGCACTCTATCTTAAGAACTGCCAG 2820
 QY 2821 CCTCAGCTGAAACCCGAACTCAGAGGAATTCGCTCATGTAAAGGAAGCTGGAATTA 2880
 Db 2821 CCTCAGCTGAAACCCGAACTCAGAGGAATTCGCTCATGTAAAGGAAGCTGGAATTA 2880
 QY 2881 GGGAGCTGAGCCAGTCTATGTTGTGGCGTGTGAGTCAGGAGACCTAGTTTTCAGCCCTC 2940

Db 2881 GGGAGCTGAGCCAGTCTATGTTGTGGCGTGTGAGTCAGGAGACCTAGGTTTTCAGCCCTC 2940
 QY 2941 TCTACTGTTCAGGAGCTGTGCAACCTGGGCAAGTCAATTTCTCTGAGCTGCAAGTTTCT 3000
 Db 2941 TCTACTGTTCAGGAGCTGTGCAACCTGGGCAAGTCAATTTCTCTGAGCTGCAAGTTTCT 3000
 QY 3001 CATCTGTTCACATCTGCTACAGACAGACCTCCCTGGAAACCTTCTGATTTCTTTAGAC 3060
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 QY 3061 GTGGTTGCAAAACCCACGGAAGGCTCATTTGTGTGGAAGTCAAGGGAATAATGATCA 3120
 Db 3061 GTGGTTGCAAAACCCACGGAAGGCTCATTTGTGTGGAAGTCAAGGGAATAATGATCA 3120
 QY 3121 GTGGACACTTTGGGGATTATCTGCTCAATTTCAAGATCTTCTTCAACCCCAAGGCGACTCC 3180
 Db 3121 GTGGACACTTTGGGGATTATCTGCTCAATTTCAAGATCTTCTTCAACCCCAAGGCGACTCC 3180
 QY 3181 CATCTCATTTCCAGAAAGGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTTGTCAATCC 3240
 Db 3181 CATCTCATTTCCAGAAAGGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTTGTCAATCC 3240
 QY 3241 AGGTGCGAAGTCTCTCAGAGTCAATTTGAAGGTTTCAACCATCCCAAGGCTTGG 3300
 Db 3241 AGGTGCGAAGTCTCTCAGAGTCAATTTGAAGGTTTCAACCATCCCAAGGCTTGG 3300
 QY 3301 CACACTGCCAGTGTCTTAGCAGGCTTCTGTGAGGGCTGGGGCATCCAGGCACTCAGAG 3360
 Db 3301 CACACTGCCAGTGTCTTAGCAGGCTTCTGTGAGGGCTGGGGCATCCAGGCACTCAGAG 3360
 QY 3361 GCAAGGAAACCCCTTACCCATTTGGCTTGCAGGGGCGAGAAAGAAAGAAACCTC 3420
 Db 3361 GCAAGGAAACCCCTTACCCATTTGGCTTGCAGGGGCGAGAAAGAAAGAAACCTC 3420
 QY 3421 ATCTCTATTTTCAAGCATGTGAATTTCTGSCATTTAGCTCTCATAGGAGACCATGTGC 3480
 Db 3421 ATCTCTATTTTCAAGCATGTGAATTTCTGSCATTTAGCTCTCATAGGAGACCATGTGC 3480
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 Db 3481 TTTCTTGTCTCAGTGAAGAACTGATGATTTCTTGTGTGTAGATGAATGTTTAAACGAGC 3540
 QY 3541 TAGTTAAACAGTCCCATTTGTTGCGAGTGAAGCTCCAAACCTTAAGCACTGGGACGGT 3600
 Db 3541 TAGTTAAACAGTCCCATTTGTTGCGAGTGAAGCTCCAAACCTTAAGCACTGGGACGGT 3600
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 Db 3601 GGCAGAGATGCCAGAGCTCTGTGCGCTTAGTCAATATTAACCAAAATCCAGACCTTAT 3660
 QY 3661 CCACAAACCCGGGCTTGGAAAGGAGGTATTTTGGAAATCACACCTCCGCTTATGTTGCT 3720
 Db 3661 CCACAAACCCGGGCTTGGAAAGGAGGTATTTTGGAAATCACACCTCCGCTTATGTTGCT 3720
 QY 3721 CCAGTAAATCTTTGCTGGAAAGAGGAGCTCTTTTAGCATGCTGAGTCAATGGC 3780
 Db 3721 CCAGTAAATCTTTGCTGGAAAGAGGAGCTCTTTTAGCATGCTGAGTCAATGGC 3780
 QY 3781 TTTTCTTGTAGCCAGTCTGTGCGCTGGCATCATGATGTTTGGATGAGGTTAAA 3840
 Db 3781 TTTTCTTGTAGCCAGTCTGTGCGCTGGCATCATGATGTTTGGATGAGGTTAAA 3840
 QY 3841 CTGTGATGCCAGTGGGAGTGCATGTGGAAGTATCAGAGTAAAGCTCTCCCTCCAGAGC 3900
 Db 3841 CTGTGATGCCAGTGGGAGTGCATGTGGAAGTATCAGAGTAAAGCTCTCCCTCCAGAGC 3900
 QY 3901 CCTGAGTTTCTTGGCTGCAAGGTTTCTTTTAGAATCAGAAATGTGAGCCAGTTTCTTT 3960
 Db 3901 CCTGAGTTTCTTGGCTGCAAGGTTTCTTTTAGAATCAGAAATGTGAGCCAGTTTCTTT 3960
 QY 3961 GGCAGAGGATGAATCTTGGATTTACTGAAGGGGGGTGGAGTGGGTGTGCGCAG 4020

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; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5139
; LENGTH: 4187
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-5139

Query Match      100.0%; Score 4187; DB 21; Length 4187;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GCGCGGAACCCGCGAGCGCTTACCGCGCGCGCGCCACCATGGAGCGCCGCTGCGCTGG 60
DB      1  GCGCGGAACCCGCGAGCGCTTACCGCGCGCGCGCCACCATGGAGCGCCGCTGCGCTGG 60

QY      61  CCGTGTGCGCGCTGCTCTTCCCTGCTGTGGGTGGCGCTGAAGGGGCTGGAGTTCGTGCTCA 120
DB      61  CCGTGTGCGCGCTGCTCTTCCCTGCTGTGGGTGGCGCTGAAGGGGCTGGAGTTCGTGCTCA 120

QY     121  TCACACAGCGCTGGGTGTTGCTGTGCTCTTCTCTCGCGCTCTCGCTTATCTTCGATA 180
DB     121  TCACACAGCGCTGGGTGTTGCTGTGCTCTTCTCTCGCGCTCTCGCTTATCTTCGATA 180

QY     181  TCTACTACTACGTGCGCGCTGGGTGTTGCTGTGCTCTTCTCTCGCGCTCTCGCTTATCTTCGATA 240
DB     181  TCTACTACTACGTGCGCGCTGGGTGTTGCTGTGCTCTTCTCTCGCGCTCTCGCTTATCTTCGATA 240

QY     241  AGCAGCGCGTGCAGGACATCCAGAAAGCAGGTGCGGGAATGGAAGGAGCAGGGTAGCAAGA 300
DB     241  AGCAGCGCGTGCAGGACATCCAGAAAGCAGGTGCGGGAATGGAAGGAGCAGGGTAGCAAGA 300

QY     301  CCTTCATGTGCA CGGGCGCCCTGGCTGGCTCACTGCTCACTACGTGTCGGAAGTACA 360
DB     301  CCTTCATGTGCA CGGGCGCCCTGGCTGGCTCACTGCTCACTACGTGTCGGAAGTACA 360

QY     361  AGAAGACACAAAAACATCATCATCAACCTGATGGACATTCGGAAGTGGACACCAAGA 420
DB     361  AGAAGACACAAAAACATCATCATCAACCTGATGGACATTCGGAAGTGGACACCAAGA 420

QY     421  AACAGATTGTCGCTGTGGAGCCCTTGGTGACCATGGCCAGAGTGACTGCCCTGCTGACCT 480
DB     421  AACAGATTGTCGCTGTGGAGCCCTTGGTGACCATGGCCAGAGTGACTGCCCTGCTGACCT 480

QY     481  CCATTGGCTGGA CTCTCCCGTGTGCTGAGCTTTGATGACCTCACAGTGGGGGGCTTGA 540
DB     481  CCATTGGCTGGA CTCTCCCGTGTGCTGAGCTTTGATGACCTCACAGTGGGGGGCTTGA 540

QY     541  TCATGGGCACAGCATCGAGTCATCATCCACAAAGTACGGCCCTGTTCCAAACATCTGCA 600
DB     541  TCATGGGCACAGCATCGAGTCATCATCCACAAAGTACGGCCCTGTTCCAAACATCTGCA 600

QY     601  CTGCTTACAGCTGTGCTCGGCTGATGGCAGCTTTGTGCGATGCACTCCGTCGGAAGACT 660
DB     601  CTGCTTACAGCTGTGCTCGGCTGATGGCAGCTTTGTGCGATGCACTCCGTCGGAAGACT 660

QY     661  CAGACCTGTTCTATGCGGTACCTGCTGTGCGGACGCTGGGTTCCTGGTGGCGCGCTG 720
DB     661  CAGACCTGTTCTATGCGGTACCTGCTGTGCGGACGCTGGGTTCCTGGTGGCGCGCTG 720
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QY      721  AGATCCGCATCATCCCTGCGCAAGAAGTACGTCAAGCTGCGTTCGAGCCAGTGGCGGCC 780
DB      721  AGATCCGCATCATCCCTGCGCAAGAAGTACGTCAAGCTGCGTTCGAGCCAGTGGCGGCC 780

QY      781  TGGAGGCTATCTGTGCCAAGTTCAACCACAGTCCACAGCGCGCAGGAAACCACTTCGTGG 840
DB      781  TGGAGGCTATCTGTGCCAAGTTCAACCACAGTCCACAGCGCGCAGGAAACCACTTCGTGG 840

QY      841  AAGGGCTGCTCTACTCCCTGAGTGAAGTCTATTAAGAGGAGTCAAGAGATGAGG 900
DB      841  AAGGGCTGCTCTACTCCCTGAGTGAAGTCTATTAAGAGGAGTCAAGAGATGAGG 900

QY      901  CAGAGCCAGCAGCTGAATAGCAATTGGCAATTACTACAAGCCGCTGCTTTAAAGCATG 960
DB      901  CAGAGCCAGCAGCTGAATAGCAATTGGCAATTACTACAAGCCGCTGCTTTAAAGCATG 960

QY      961  TGGAGAACTATCTGAAGACAAACCGAGAGGCGCTGGAGTACATTCCTTGAGACACTACT 1020
DB      961  TGGAGAACTATCTGAAGACAAACCGAGAGGCGCTGGAGTACATTCCTTGAGACACTACT 1020

QY     1021  ACCACGCCACACGCGGAGCATCTTCTGGAGCTCCAGGACATCATCCCTTTGGCAACA 1080
DB     1021  ACCACGCCACACGCGGAGCATCTTCTGGAGCTCCAGGACATCATCCCTTTGGCAACA 1080

QY     1081  ACCCCATCTTCCGCTACCTCTTTGGCTGGATGGTCTCCCAAGATCTCCCTCTCTGAAGC 1140
DB     1081  ACCCCATCTTCCGCTACCTCTTTGGCTGGATGGTCTCCCAAGATCTCCCTCTCTGAAGC 1140

QY     1141  TGACCCAGGCTGAGACCCCTGCGCAAGCTGTACAGCAGACACACGCTGGTGCAGGACATGC 1200
DB     1141  TGACCCAGGCTGAGACCCCTGCGCAAGCTGTACAGCAGACACACGCTGGTGCAGGACATGC 1200

QY     1201  TGGTGCCTATGAAGTGCCTGACAGCGCCCTGCACACCTTCCAAAACGACATCCACGCTCT 1260
DB     1201  TGGTGCCTATGAAGTGCCTGACAGCGCCCTGCACACCTTCCAAAACGACATCCACGCTCT 1260

QY     1261  ACCCCATCTTGGCTGCTCGGTTTCATCTGCCAGCAGCAGCCAGGCTAGTGACCCCAAG 1320
DB     1261  ACCCCATCTTGGCTGCTCGGTTTCATCTGCCAGCAGCAGCCAGGCTAGTGACCCCAAG 1320

QY     1321  GAAATGAGGACAGAGCTCTACATCGACATTTGGAGCATATGGGAGCGCGCTGTGAACACT 1380
DB     1321  GAAATGAGGACAGAGCTCTACATCGACATTTGGAGCATATGGGAGCGCGCTGTGAACACT 1380

QY     1381  TTGAAGCCAGGCTCTGCATGAGGACGCTGGAGAAAGTTTGTCCGAGCGTGCATGGCTTCC 1440
DB     1381  TTGAAGCCAGGCTCTGCATGAGGACGCTGGAGAAAGTTTGTCCGAGCGTGCATGGCTTCC 1440

QY     1441  AGATGCTGTATGCCGACTGCTACATGAACCGGAGGAGTTCTGGGAGATGTTTGTATGGCT 1500
DB     1441  AGATGCTGTATGCCGACTGCTACATGAACCGGAGGAGTTCTGGGAGATGTTTGTATGGCT 1500

QY     1501  CCTTGTACCAAGCTGCGAGAGAACTGGGTTTCCAGAGACGCTTCCCGAGGCTGTACG 1560
DB     1501  CCTTGTACCAAGCTGCGAGAGAACTGGGTTTCCAGAGACGCTTCCCGAGGCTGTACG 1560

QY     1561  ACAAGATCTGCAAGCGCGCAGGCACTGAGCTGGAGAGCCCGCTGGAGAGACAGACGCTG 1620
DB     1561  ACAAGATCTGCAAGCGCGCAGGCACTGAGCTGGAGAGCCCGCTGGAGAGACAGACGCTG 1620

QY     1621  TGAGTGGTCAGGCATCTTCCCTTCACTCAAGCTTGGCTTCTTAGATCCACACTTTC 1680
DB     1621  TGAGTGGTCAGGCATCTTCCCTTCACTCAAGCTTGGCTTCTTAGATCCACACTTTC 1680

QY     1681  AAGAGAAAACCCCTCCAGAACTCCCACTGACAGCCCAACACACACTTCTCTCGCTT 1740
DB     1681  AAGAGAAAACCCCTCCAGAACTCCCACTGACAGCCCAACACACACTTCTCTCGCTT 1740

QY     1741  CAGAGGGGAGCCAGTGGAAATGGAAAGATTTGGAGTTTGGAGTTCAGACAAAGCTGAGT 1800
DB     1741  CAGAGGGGAGCCAGTGGAAATGGAAAGATTTGGAGTTTGGAGTTCAGACAAAGCTGAGT 1800
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Db 2281 |||||CACCCAGCCACCACTGAGTCCACTCGGAGTCCCTGTGTCTCTGGAGAGGCATTCAG 2340
Qy 2341 GGTGGAATCTGTGTCAGCCTCAGCTGGGACACCTAGGTGGAGAGGTGGTCTCGCTC 2400
Db 2341 GGTGGAATCTGTGTCAGCCTCAGCTGGGACACCTAGGTGGAGAGGTGGTCTCGCTC 2400
Qy 2401 TGAATGGATCCAGGGGACCTGGGCTCATTTCTTTGGCTCACCACCCCTGCAGGGCTCA 2460
Db 2401 TGAATGGATCCAGGGGACCTGGGCTCATTTCTTTGGCTCACCACCCCTGCAGGGCTCA 2460
Qy 2461 TCTTTCCAAAACCCATCTTTGTCTGTGGGAGTGGGTCCGCTGCTGTGCAGCAGGG 2520
Db 2461 TCTTTCCAAAACCCATCTTTGTCTGTGGGAGTGGGTCCGCTGCTGTGCAGCAGGG 2520
Qy 2521 CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCCCTCATGTTCTGTAGGAT 2580
Db 2521 CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCCCTCATGTTCTGTAGGAT 2580
Qy 2581 CTCACGCTGGGCTGGGAAAGAGAGCATCGACTTGATTTCTCAACCACTCATCCCTCT 2640
Db 2581 CTCACGCTGGGCTGGGAAAGAGAGCATCGACTTGATTTCTCAACCACTCATCCCTCT 2640
Qy 2641 TTTTCTTTCTTCCACACCTCCCAACCCAGCTGTAGTTAATTTTCAGTGCCTTACAATCC 2700
Db 2641 TTTTCTTTCTTCCACACCTCCCAACCCAGCTGTAGTTAATTTTCAGTGCCTTACAATCC 2700
Qy 2701 TAAGCTCAGAGAAGTTCCATTTCCGTTCCAGAGGGAAGCACTCCCTAGTCTCTTCC 2760
Db 2701 TAAGCTCAGAGAAGTTCCATTTCCGTTCCAGAGGGAAGCACTCCCTAGTCTCTTCC 2760
Qy 2761 CTGGCTGTTTATAACGCAAGCTTGGTTGTTATGCAACTCTATCTTAAGAACTGCCAG 2820
Db 2761 CTGGCTGTTTATAACGCAAGCTTGGTTGTTATGCAACTCTATCTTAAGAACTGCCAG 2820
Qy 2821 CCTCAGCTGAAACCCGAACTCAGAGAAGAAATTCGTCATGTAGGGAAGCTGGAAATTA 2880
Db 2821 CCTCAGCTGAAACCCGAACTCAGAGAAGAAATTCGTCATGTAGGGAAGCTGGAAATTA 2880
Qy 2881 GGGAGCTGAGCCAGTCAATGTTGCGGTGAGTCAAGAGACCTAGTTTCAGCCCCC 2940
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Qy 2941 TCTACTGTACGAGCTGTCAACGTTGGGCAAGTCAATGTCCTCTGAGCTGCAGTTTCT 3000
Db 2941 TCTACTGTACGAGCTGTCAACGTTGGGCAAGTCAATGTCCTCTGAGCTGCAGTTTCT 3000
Qy 3001 CATCTGTACATCGCTACAGACAGACCTCCCTGGAAACCTTCTGATTTGTCTTAGACACT 3060
Db 3001 CATCTGTACATCGCTACAGACAGACCTCCCTGGAAACCTTCTGATTTGTCTTAGACACT 3060
Qy 3061 GTGGTTGCAAAACCCAGGAAGCTCATTTGTTGGAAAGTCAAGGAAATGATCCA 3120
Db 3061 GTGGTTGCAAAACCCAGGAAGCTCATTTGTTGGAAAGTCAAGGAAATGATCCA 3120
Qy 3121 GTGGACACTTGGGATTTATCTGATTCATCAAGATCTTCTTCAACCCCAAGGCCAGCTCC 3180
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Db 3241 AGGTGCCAGATCTCTCAGAGTCAATGAAGGTTTCAACCCATCCCAAGGCTTGG 3300
Qy 3301 CACACTGCCAGTGTCTTAGCAGGCTCTTGTAGGGCTGGGGCATCCAGGCACTCAGAAG 3360
Db 3301 CACACTGCCAGTGTCTTAGCAGGCTCTTGTAGGGCTGGGGCATCCAGGCACTCAGAAG 3360
Qy 3361 GCAAGGAACCACTTACCAATTTGGCTCTGAGGGGGGAGAGAAAGAAACCTC 3420

Db 3361 GCAAGGAACCACTTACCAATTTGGCTCTTGGAGGGGCGAGAGAAAGAAACCTC 3420
Qy 3421 ATCTCTATATTTTACAAAGCATGTGAATTTCTGGCATTTAGCTCTCATAGGAGACCATGTGC 3480
Db 3421 ATCTCTATATTTTACAAAGCATGTGAATTTCTGGCATTTAGCTCTCATAGGAGACCATGTGC 3480
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Db 3481 TTTCTTGTCTCAGTGCACAACTGATGATTTCTATCTTGTCTGTAGATGAATGTTTAAACGAGC 3540
Qy 3541 TAGTTAAACAGTGCCTATTTGTTCCAGTGAAGCCTCCAAACCTTAGCCACCTGGGACGCT 3600
Db 3541 TAGTTAAACAGTGCCTATTTGTTCCAGTGAAGCCTCCAAACCTTAGCCACCTGGGACGCT 3600
Qy 3601 GGCAGAGATGCCAGCAGCTCTGTGCGCCCTTAGTTCATATAACCAAAATCCAGACCTTAT 3660
Db 3601 GGCAGAGATGCCAGCAGCTCTGTGCGCCCTTAGTTCATATAACCAAAATCCAGACCTTAT 3660
Qy 3661 CCACAAACCCGGGCTTGGAAAGGATTTTGGAAATCACACCTTCCGGTTATGTGCT 3720
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Qy 3721 CCAGTAAATCTTGGCTGGAAAGGAGCAGTCTTCTTAGCATGGTGAAGTGAATTCATGTC 3780
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Qy 3781 TTTTCTTGTAGCCAGTCTCTCCCTGGCCATCCATGTGATGTTTGGATGGAGTTAAA 3840
Db 3781 TTTTCTTGTAGCCAGTCTCTCCCTGGCCATCCATGTGATGTTTGGATGGAGTTAAA 3840
Qy 3841 CTGTAGTCCAGTGGGAGTGCATGTGGAAAGTATCAGAGTAAGCCTCTCCCTCCAGAGC 3900
Db 3841 CTGTAGTCCAGTGGGAGTGCATGTGGAAAGTATCAGAGTAAGCCTCTCCCTCCAGAGC 3900
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Db 3901 CCTGAGTTTCTTGGCTGCATGAAGTCTTCTTAGAATCAGAAATCTAGCCAGTTTCTTT 3960
Qy 3961 GGCAGAGCATGAATCTTGGATATTACTGAAAGGAGGGGTGGAGATGGGTGTGGCAG 4020
Db 3961 GGCAGAGCATGAATCTTGGATATTACTGAAAGGAGGGGTGGAGATGGGTGTGGCAG 4020
Qy 4021 TGTATGTTGTGATTTTATTTTCTTCTTGGTCAATGGGGCCAAAGGAGAAAGGATGA 4080
Db 4021 TGTATGTTGTGATTTTATTTTCTTCTTGGTCAATGGGGCCAAAGGAGAAAGGATGA 4080
Qy 4081 ATCTTCCCTGTGAGGCTCTTACAGCCACAGGCACTGTGTCTACTGTCTGAGACATGTC 4140
Db 4081 ATCTTCCCTGTGAGGCTCTTACAGCCACAGGCACTGTGTCTACTGTCTGAGACATGTC 4140
Qy 4141 CCCGTGGCTGTGGGGCCGCTGCTTCTGTTTAAATAAAGTGGCCTGG 4187
Db 4141 CCCGTGGCTGTGGGGCCGCTGCTTCTGTTTAAATAAAGTGGCCTGG 4187

RESULT 8

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; Sequence 5139, Application US/10843641A

; Publication No. US2005006454A1

; GENERAL INFORMATION:

; APPLICANT: Avalon Pharmaceuticals, Inc.

; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using

; TITLE OF INVENTION: Signature Gene Sets

; FILE REFERENCE: 689290-189

; CURRENT APPLICATION NUMBER: US/10/843,641A

; PRIOR FILING DATE: 2004-05-12

; PRIOR APPLICATION NUMBER: US/09/873,367

; PRIOR FILING DATE: 2001-06-05

; PRIOR APPLICATION NUMBER: US/09/954,531

; PRIOR FILING DATE: 2001-09-18

; PRIOR APPLICATION NUMBER: US/09/954,456

; PRIOR FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US/09/962,436

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Qy	181	TCTACTACTAGTGTGGCGCCTGGGTGTTTCAAGCTCAGAGCGCTCCGCGCTGCACG	240
Db	181	TCTACTACTAGTGTGGCGCCTGGGTGTTTCAAGCTCAGAGCGCTCCGCGCTGCACG	240
Qy	241	AGCAGCGCTGCGGGAATCCAGAAAGCAGGTGCGGGAATGAAGCAGCGGTAGCAAGA	300
Db	241	AGCAGCGCTGCGGGAATCCAGAAAGCAGGTGCGGGAATGAAGCAGCGGTAGCAAGA	300
Qy	301	CCTTCTGTGTGACGCGGCGCCTGGCTGGCTCACTGTCTCACTAAGTGTGGGAAGTACA	360
Db	301	CCTTCTGTGTGACGCGGCGCCTGGCTGGCTCACTGTCTCACTAAGTGTGGGAAGTACA	360
Qy	361	AGAAGACACAAAAAATCATGATCAACTGATGGACATCTGGAAAGTGGACACCAAGA	420
Db	361	AGAAGACACAAAAAATCATGATCAACTGATGGACATCTGGAAAGTGGACACCAAGA	420
Qy	421	AACAGATTGTCGCTGTGGAGCCCTGGTGTGACATGGCGCAGGTGACATCCCTGCTGACCT	480
Db	421	AACAGATTGTCGCTGTGGAGCCCTGGTGTGACATGGCGCAGGTGACATCCCTGCTGACCT	480
Qy	481	CCATTGGCTGAGCTCTCCCGTGTGGCTGAGCTTTGATGACCTCACAGTGGGGGCTTGA	540
Db	481	CCATTGGCTGAGCTCTCCCGTGTGGCTGAGCTTTGATGACCTCACAGTGGGGGCTTGA	540
Qy	541	TCATTGGGACAGGATCAGATCATATCCCAAGTACGGCGTGTCCAAACATCTGCA	600
Db	541	TCATTGGGACAGGATCAGATCATATCCCAAGTACGGCGTGTCCAAACATCTGCA	600
Qy	601	CTGCTTACGAGCTGGTCTGGCTCATGGCAGCTTTGTGCGATGACATCCGTCGAAACT	660
Db	601	CTGCTTACGAGCTGGTCTGGCTCATGGCAGCTTTGTGCGATGACATCCGTCGAAACT	660
Qy	661	CAGACCTGTTCTATGCGGTACCCCTGGTCTGTGGGACGCTGGGTTCCTCGTGGCGCGTG	720
Db	661	CAGACCTGTTCTATGCGGTACCCCTGGTCTGTGGGACGCTGGGTTCCTCGTGGCGCGTG	720
Qy	721	AGATCCGGATCATCCCTGCCAAGATACGTTCAAGCTGCGTTTCGAGCCAGTGCGGGCC	780
Db	721	AGATCCGGATCATCCCTGCCAAGATACGTTCAAGCTGCGTTTCGAGCCAGTGCGGGCC	780
Qy	781	TGGAGGCTATCTGTGCCAAGTTACCCACGAGTCCAGCGGAGGAAACCATCTCGTGG	840
Db	781	TGGAGGCTATCTGTGCCAAGTTACCCACGAGTCCAGCGGAGGAAACCATCTCGTGG	840
Qy	841	AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCAATTATGACAGGGGTCAATGACAGTGGG	900
Db	841	AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCAATTATGACAGGGGTCAATGACAGTGGG	900
Qy	901	CAGAGCCAGCAAGCTGAATAGCAATTGGCAATTAATAAGCCGCTGGTTCCTTAAGCATG	960
Db	901	CAGAGCCAGCAAGCTGAATAGCAATTGGCAATTAATAAGCCGCTGGTTCCTTAAGCATG	960
Qy	961	TGGAGAACTATCTGAAGACAAAACGAGAGGGCTGGAGTACATTCCTTGGAGACATCTACT	1020
Db	961	TGGAGAACTATCTGAAGACAAAACGAGAGGGCTGGAGTACATTCCTTGGAGACATCTACT	1020
Qy	1021	ACCACGCCACACGCGAGCATCTTCCTGGAGCTCCAGGACATCATCCCTTTGGCAACA	1080
Db	1021	ACCACGCCACACGCGAGCATCTTCCTGGAGCTCCAGGACATCATCCCTTTGGCAACA	1080
Qy	1081	ACCCATCTTCGCTACCTCTTTGGCTGGATGGTGCCTCCCAAGATCTCCCTCTGAAGC	1140
Db	1081	ACCCATCTTCGCTACCTCTTTGGCTGGATGGTGCCTCCCAAGATCTCCCTCTGAAGC	1140
Qy	1141	TGACCCAGGCTGAGACCTTCGGCAAGCTGTACGAGCAGCACCAGTGGTGCAGCATGC	1200
Db	1141	TGACCCAGGCTGAGACCTTCGGCAAGCTGTACGAGCAGCACCAGTGGTGCAGCATGC	1200

Qy	1201	TGTTGCCCATGAAGTGGCTGTGCAGCAGCGCCCTGCACACCTTCCAAACAGCATCCACGTTCT	1266
Db	1201	TGTTGCCCATGAAGTGGCTGTGCAGCAGCGCCCTGCACACCTTCCAAACAGCATCCACGTTCT	1266
Qy	1261	ACCCCATCTGGCTGTGTCGGTTTCATCTGCCAGCCAGCCAGGCTTAGTGACCCCAAG	1320
Db	1261	ACCCCATCTGGCTGTGTCGGTTTCATCTGCCAGCCAGCCAGGCTTAGTGACCCCAAG	1320
Qy	1321	GAATGAGGCAGAGCTCTACATCGACATTTGGAGCATATGGGGAGCGCGTGTGAACAACCT	1380
Db	1321	GAATGAGGCAGAGCTCTACATCGACATTTGGAGCATATGGGGAGCGCGTGTGAACAACCT	1380
Qy	1381	TTGAAGCCAGGTCCTGCATGAGGACGCTGGAGAGATTTGTCGCGAGCGTGCATGGCTTCC	1440
Db	1381	TTGAAGCCAGGTCCTGCATGAGGACGCTGGAGAGATTTGTCGCGAGCGTGCATGGCTTCC	1440
Qy	1441	AGATGCTGTATGCCGACTGCTACATGAAACGGGAGGAGTTCTGGGAGATGTTTGATGGCT	1500
Db	1441	AGATGCTGTATGCCGACTGCTACATGAAACGGGAGGAGTTCTGGGAGATGTTTGATGGCT	1500
Qy	1501	CTTTGTACCAACAAGCTGCGAGAGAGCTGGTTGCCAGCAGCGCTTCCCAGAGGTGTACG	1560
Db	1501	CTTTGTACCAACAAGCTGCGAGAGAGCTGGTTGCCAGCAGCGCTTCCCAGAGGTGTACG	1560
Qy	1561	ACAAGATCTGCAAGCGCCGAGCCTGAGCTGGAGCCGCTGGAGAGACAGACACGTTG	1620
Db	1561	ACAAGATCTGCAAGCGCCGAGCCTGAGCTGGAGCCGCTGGAGAGACAGACACGTTG	1620
Qy	1621	TGAGTGGTCAGGCATCTTCCCTTCACTCAAGCTTGGCTGCTTTCTAGATCCACACTTTC	1680
Db	1621	TGAGTGGTCAGGCATCTTCCCTTCACTCAAGCTTGGCTGCTTTCTAGATCCACACTTTC	1680
Qy	1681	AAAGAGAAACCCCTCCAGAACTCCCAACCTGCAGCCCCAAACACCTTCTCTGGCTT	1740
Db	1681	AAAGAGAAACCCCTCCAGAACTCCCAACCTGCAGCCCCAAACACCTTCTCTGGCTT	1740
Qy	1741	CCAGGGGGCAGCCAGTGGAAATGGAAGATTTGGGATTTGAGTCAGACAAGCCCTGAGT	1800
Db	1741	CCAGGGGGCAGCCAGTGGAAATGGAAGATTTGGGATTTGAGTCAGACAAGCCCTGAGT	1800
Qy	1801	CGAGTTCCCGTTTAGAATCTAGTCTGTGATCTCTGGGTGAGTCCCTTAAACCCCTCT	1860
Db	1801	CGAGTTCCCGTTTAGAATCTAGTCTGTGATCTCTGGGTGAGTCCCTTAAACCCCTCT	1860
Qy	1861	GAGCCGGGTCTCTTCACTAGTTTGAAGGGATAGTAATACCTACTTTGCAGGTTGTTGTCA	1920
Db	1861	GAGCCGGGTCTCTTCACTAGTTTGAAGGGATAGTAATACCTACTTTGCAGGTTGTTGTCA	1920
Qy	1921	TCTGAGTTGAGCACTCGTGCACATTTGAAGGTGCTGGGTAAAGTGGTAGCTCTTGTGCTCC	1980
Db	1921	TCTGAGTTGAGCACTCGTGCACATTTGAAGGTGCTGGGTAAAGTGGTAGCTCTTGTGCTCC	1980
Qy	1981	CGTTCAAGGTCAATCTGCAGTGGAGCCTGAAAGGCTCCAATTAGGTCACTGTGTGCAC	2040
Db	1981	CGTTCAAGGTCAATCTGCAGTGGAGCCTGAAAGGCTCCAATTAGGTCACTGTGTGCAC	2040
Qy	2041	AGCCATGGCTGGAATCATGAAAGGGATACGCTGGAGTTGCCCTGCCATCGCTCCATCAG	2100
Db	2041	AGCCATGGCTGGAATCATGAAAGGGATACGCTGGAGTTGCCCTGCCATCGCTCCATCAG	2100
Qy	2101	CCAGACGAGGTCTCTCACAGGAGAGGACAGCTCTTCCCCACCGCTGGGATCTCAGGAGGCG	2160
Db	2101	CCAGACGAGGTCTCTCACAGGAGAGGACAGCTCTTCCCCACCGCTGGGATCTCAGGAGGCG	2160
Qy	2161	AGCCAAGGATGGGAGGCCCCAGATGCGCTGTGCCAAAGCAGGTCGAGGCCCAAAGTTT	2220
Db	2161	AGCCAAGGATGGGAGGCCCCAGATGCGCTGTGCCAAAGCAGGTCGAGGCCCAAAGTTT	2220
Qy	2221	CTCCCTGCCATCTCTTGGTGGCGCTCTGCCCTTCTCTTCACTGCTGGCGCTCGAGGCC	2280
Db	2221	CTCCCTGCCATCTCTTGGTGGCGCTCTGCCCTTCTCTTCACTGCTGGCGCTCGAGGCC	2280
Qy	2281	CAGCCCGCAGCAGCTAGTCCACTCGAGTGCCTTGTCTTCTCGGAGAAAGCATTTCCAG	2340

Qy	2641	TTTTCTTTCTTCCACCACCTCCCAACCCACAGCTGTAGTTAAATTTTCAGTGCCTTACAAATCC	2700
Db	2641	TTTTCTTTCTTCCACCACCTCCCAACCCACAGCTGTAGTTAAATTTTCAGTGCCTTACAAATCC	2700
Qy	2701	TAAGCTCAGAGAAAGTTCCATTTCCGTTTCAGAGGGAAGGAACTCCCTAGTGCCTTCC	2760
Db	2701	TAAGCTCAGAGAAAGTTCCATTTCCGTTTCAGAGGGAAGGAACTCCCTAGTGCCTTCC	2760
Qy	2761	CTGGCTTGTTTATAACGCAAAAGCTTGGTTGTTTATATGCAACTCTATCTTAAAGAACTGCCAG	2820
Db	2761	CTGGCTTGTTTATAACGCAAAAGCTTGGTTGTTTATATGCAACTCTATCTTAAAGAACTGCCAG	2820
Qy	2821	CCTCAGCTGAAAAACCCGAATCTGAGAAGGAATTCGCTCATGTAAAGGAAGCTGGAATTA	2880
Db	2821	CCTCAGCTGAAAAACCCGAATCTGAGAAGGAATTCGCTCATGTAAAGGAAGCTGGAATTA	2880
Qy	2881	GGGAGCTGAGCCAGTCAATGGTTGTGGCGTGTAGTTCAGGAGACCTAGGTTTCAGCCCTC	2940
Db	2881	GGGAGCTGAGCCAGTCAATGGTTGTGGCGTGTAGTTCAGGAGACCTAGGTTTCAGCCCTC	2940
Qy	2941	TCTACTGTACGAGAGCTGTGCAACGCTGGGCAAGTCATTGTCTCTGAGCTGCAGTTTCCT	3000
Db	2941	TCTACTGTACGAGAGCTGTGCAACGCTGGGCAAGTCATTGTCTCTGAGCTGCAGTTTCCT	3000
Qy	3001	CATCTGTCAATCCTCAAGAACTCCCTGGAACCCCTTCGTATGCTTGTAGACACT	3060
Db	3001	CATCTGTCAATCCTCAAGAACTCCCTGGAACCCCTTCGTATGCTTGTAGACACT	3060
Qy	3061	GTGGTTGCAAAACCCACGGAAAGCCTCATTTGTGTGGAAGTCAAGAGAAAATGATCCA	3120
Db	3061	GTGGTTGCAAAACCCACGGAAAGCCTCATTTGTGTGGAAGTCAAGAGAAAATGATCCA	3120
Qy	3121	GTGGACACTTGGGATTAATCTGTCAATCAAGATCCTTCTTCAACCCCAAGGCCAGCTCC	3180
Db	3121	GTGGACACTTGGGATTAATCTGTCAATCAAGATCCTTCTTCAACCCCAAGGCCAGCTCC	3180
Qy	3181	CATCTCAATTTCCAGAAAGGCTCATACCTGGCTTCAGGGAAGCATCTGTCTGTCAATTC	3240
Db	3181	CATCTCAATTTCCAGAAAGGCTCATACCTGGCTTCAGGGAAGCATCTGTCTGTCAATTC	3240
Qy	3241	AGTGGCCAGAAATCCTCTCAGAGTCATTTGAAGGGTGTTCACCCATCCCAACCAAGGCTTGG	3300
Db	3241	AGTGGCCAGAAATCCTCTCAGAGTCATTTGAAGGGTGTTCACCCATCCCAACCAAGGCTTGG	3300
Qy	3301	CACACTGCCAGTGTCTTAGCAGGGTCTTGTGAGGGCTGGGGGCATCAGGCACTCAGAAG	3360
Db	3301	CACACTGCCAGTGTCTTAGCAGGGTCTTGTGAGGGCTGGGGGCATCAGGCACTCAGAAG	3360
Qy	3361	GCAAGGAACCAACCTACCCATTTGGCTCTGAGGGGGCAGAAAGAAAGAAACCTC	3420
Db	3361	GCAAGGAACCAACCTACCCATTTGGCTCTGAGGGGGCAGAAAGAAAGAAACCTC	3420
Qy	3421	ATCCTATATTTTACAAGCATGTGAATTTCTGGCAATTAGCTCTCATAGGAGACCATGTGC	3480
Db	3421	ATCCTATATTTTACAAGCATGTGAATTTCTGGCAATTAGCTCTCATAGGAGACCATGTGC	3480
Qy	3481	TTCTCTGTCTCAGTGCAAACCTGATGATTTCTACTTGTGTAGTGAATGTTTAAACCAAGC	3540
Db	3481	TTCTCTGTCTCAGTGCAAACCTGATGATTTCTACTTGTGTAGTGAATGTTTAAACCAAGC	3540
Qy	3541	TAGTTAAACAGTGGCAATGTTTTGCCAGTGAAGCCTCCAAACCTTAAGCCACTGGGACGGT	3600
Db	3541	TAGTTAAACAGTGGCAATGTTTTGCCAGTGAAGCCTCCAAACCTTAAGCCACTGGGACGGT	3600
Qy	3601	GGCCAGAGATGCCAGAGCCTCTGTGCGCCTTGTAGTCATATAACCAAAATCCAGACCTTAT	3660
Db	3601	GGCCAGAGATGCCAGAGCCTCTGTGCGCCTTGTAGTCATATAACCAAAATCCAGACCTTAT	3660
Qy	3661	CCACAAACCCGGGGCTTGGAAGGAAGGTATTTTGGAAATCACACCCTCCGGTATGTGCT	3720
Db	3661	CCACAAACCCGGGGCTTGGAAGGAAGGTATTTTGGAAATCACACCCTCCGGTATGTGCT	3720
Qy	3721	CCAGTAAATCTTGCCTGGAAAGAGGAGCTCTTCTTAGCATGGTGAAGTTCAGTTCATGGC	3780

[illegible]

RESULT 7

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US-10-342-887-355
; Sequence 355, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernhardt, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 355
; LENGTH: 4187
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-355

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	Best Local Similarity	100.0%;	Pred. No. 0;		
	Matches 4187;	Conservative	0;	Mismatches	0; Indels
					0; Gaps
Qy	1	GGCGCGAACCCGAGAGCGCTTTACCGCGGGCGCGCGACCATGGAGCCCGCCGTCGCTGG	60		
Db	1	GGCGCGAACCCGAGAGCGCTTTACCGCGGGCGCGCGACCATGGAGCCCGCCGTCGCTGG	60		
Qy	61	CCGTGTGCGCGCTGCTCTTCTCCTGTGGTGGCTGAAGGGGCGCTGGAGTTCGTGCTCA	120		
Db	61	CCGTGTGCGCGCTGCTCTTCTCCTGTGGTGGCTGAAGGGGCGCTGGAGTTCGTGCTCA	120		

Db 421 AACAGATTGTCGGTGGAGCCCTTGTTGTGACCAATGGGCCAAGGTGAATGCCCCCTGCTGACCT 480
Qy
481 CCATTGGCTGACTCTCCCCGTGTGCTGAGCTTGTATGACCTCACAGTGGGGGCTTGA 540
Db
481 CCATTGGCTGGACTCTCCCCGTGTGCTGAGCTTGTATGACCTCACAGTGGGGGCTTGA 540
Qy
541 TCATGGGCACAGGCATCGAGTCATCATCCCAAGTACGGCTGTTCCAAACACATCTGCA 600
Db
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Db
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Db
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Db
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Qy
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Db
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Qy
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1861 GAGCCCGGCTCTTCAATTAGTTGAAAGGATAGTAATACCTACTTGCAGGTTGTTGTCA 1920
Qy 1921 TCTGAGTTGAGCACTGGTCACTTGAAGGTGCTGGGTAAAGTGTAGCTCTTGTGCTTCC 1980
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Db
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Qy 2581 CTCACCGTGGGCTGGAAGAAAGAGCATCGACTTGAATTTCTCCAAACCATCATCCTCT 2640
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 QY 3541 TAGTTAAACAGTGCCATTTGTTTGGCAGTGAAGCCCTCCAAACCTTAAGCCACTGGGACGGT 3600
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 QY 3661 CCACAAACCCGGGCTTGGAAAGGAAGTATTTTGGAAATCACACCTCCGCTTATGTTGCT 3720
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QY 4081 ATCTTCCCTGTGAGGCTCTTACAGCCACAGGCACCTGTGTCTACTGTCTGGAAGACATGTC 4140
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 Db CCGGTGGCTGTGGGGCCGCTCTTCTGTTTAAATAAAAGTGGCCTGG 4187
 RESULT 6
 US-10-240-425-1203
 ; Sequence 1203, Application US/10240425
 ; Publication No. US20040033502A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Williams, Amanda
 ; APPLICANT: Boland, Joseph P.
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 ; APPLICANT: Vockley, Joseph G.
 ; TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
 ; FILE REFERENCE: 44921-5026
 ; CURRENT APPLICATION NUMBER: US/10/240,425
 ; PRIOR FILING DATE: 2002-09-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/09847
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 ; PRIOR FILING DATE: 2000-03-31
 ; NUMBER OF SEQ ID NOS: 1588
 ; SOFTWARE: Patent in Ver. 2.1
 ; SEQ ID NO 1203
 ; LENGTH: 4187
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: Genbank Accession No. US20040033502A1 D13643
 US-10-240-425-1203
 Query Match 100.0%; Score 4187; DB 18; Length 4187;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 Db 1 GCGCGGAACCCGAGCGCTTACCGCGCGCGCGCACCATGAGCCCGCGTGTCTCGTGG 60
 QY 61 CCGTGTGCGCGCTGCTCTTCTGCTGTGGTGGCGCTGAAGGGGCTGGAGTTGCTCTCA 120
 Db 61 CCGTGTGCGCGCTGCTCTTCTGCTGTGGTGGCGCTGAAGGGGCTGGAGTTGCTCTCA 120
 QY 121 TCCACGAGCGCTGGGTGTTCTGCTGTGCTCTTCTCTCGCGCTCTCGCTTATCTTCGATA 180
 Db 121 TCCACGAGCGCTGGGTGTTCTGCTGTGCTCTTCTCTCGCGCTCTCGCTTATCTTCGATA 180
 QY 181 TCTACTACTACGTGCGCGCTGGGTGTTTCAAGCTCAGCAGCGCTCCGCGCTGCACG 240
 Db 181 TCTACTACTACGTGCGCGCTGGGTGTTTCAAGCTCAGCAGCGCTCCGCGCTGCACG 240
 QY 241 AGCAGCGCTGGGGACATCCAGAGCAGCTGGGGAATGGAAGGAGCGGTAGCAAGA 300
 Db 241 AGCAGCGCTGGGGACATCCAGAGCAGCTGGGGAATGGAAGGAGCGGTAGCAAGA 300
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 Db 301 CTTTCAATGTGACCGGGCGCTTGGTGGCTCACTGTCTCACTACGTGTGCGGAAGTACA 360
 QY 361 AGAAGACACAAAAACATCATGATCAACCTGATGACATTTCTGGAAGTGGACACCAAGA 420
 Db 361 AGAAGACACAAAAACATCATGATCAACCTGATGACATTTCTGGAAGTGGACACCAAGA 420
 QY 421 AACAGATTGCTGTGGAGCCCTTGGTACCCTATGGCCAGGTGACTGCGCTGCTACCT 480

Db	781	 TGGAGGCTATCTGTGCCAAGTTACCCACAGATCCCAGCGCAGGAGAACCATCTTGGTGG	840
Qy	841	AAGGCTGCTCTACTCCCTGGATGAGGCTGTCTATTATGACAGGGGTCTATCACAAGATGAGG	900
Db	841	AAGGCTGCTCTACTCCCTGGATGAGGCTGTCTATTATGACAGGGGTCTATCACAAGATGAGG	900
Qy	901	CAGAGCCAGCAAGCTGAATAGCATTTGGCAATTACTACAAGCCGTGGTCTTTTAAAGCATG	960
Db	901	CAGAGCCAGCAAGCTGAATAGCATTTGGCAATTACTACAAGCCGTGGTCTTTTAAAGCATG	960
Qy	961	TGGAGAACTATCTGAAGACAAAACGAGAGGGCTTGGAGTACATTCCTTTGAGACACTACT	1020
Db	961	TGGAGAACTATCTGAAGACAAAACGAGAGGGCTTGGAGTACATTCCTTTGAGACACTACT	1020
Qy	1021	ACCACGCCACACGCGCAGCATCTTTGGGAGCTCCAGGACATCATCCCCCTTTGGCAACA	1080
Db	1021	ACCACGCCACACGCGCAGCATCTTTGGGAGCTCCAGGACATCATCCCCCTTTGGCAACA	1080
Qy	1081	ACCCATCTTCCGTACTCTCTTTGGCTGATGGTGCCTCCCAAGATCTCCCTCTCTGAAAGC	1140
Db	1081	ACCCATCTTCCGTACTCTCTTTGGCTGATGGTGCCTCCCAAGATCTCCCTCTCTGAAAGC	1140
Qy	1141	TGACCCAGGCTGAGACCCCTGGCAAGCTGTACAGACAGCAACAGTGGTGCAGGACATGC	1200
Db	1141	TGACCCAGGCTGAGACCCCTGGCAAGCTGTACAGACAGCAACAGTGGTGCAGGACATGC	1200
Qy	1201	TGGTGCCATGAAAGTGCCTCAGCAGGCTCAGACACCTTCCAAAACGACATCCACGTCT	1260
Db	1201	TGGTGCCATGAAAGTGCCTCAGCAGGCTCAGACACCTTCCAAAACGACATCCACGTCT	1260
Qy	1261	ACCCATCTGGCTGTGTCGGTTATCTCTGCCACGACAGCAGGCTTAGTGACCCCAAAG	1320
Db	1261	ACCCATCTGGCTGTGTCGGTTATCTCTGCCACGACAGCAGGCTTAGTGACCCCAAAG	1320
Qy	1321	GAATAGGCGAGGCTCTACATGCACATTTGGAGCATATGGGAGCCGCGTGTGAACAACCT	1380
Db	1321	GAATAGGCGAGGCTCTACATGCACATTTGGAGCATATGGGAGCCGCGTGTGAACAACCT	1380
Qy	1381	TTGAAGCCAGGCTCTGCATGAGCAGCTGAGAAAGTTGTCCGACGGTGCATGGCTTCC	1440
Db	1381	TTGAAGCCAGGCTCTGCATGAGCAGCTGAGAAAGTTGTCCGACGGTGCATGGCTTCC	1440
Qy	1441	AGATGCTGTATGCCAGCTCTACATGAACCGGAGGAGTTCTGGGAGATGTTTGTAGTGGCT	1500
Db	1441	AGATGCTGTATGCCAGCTCTACATGAACCGGAGGAGTTCTGGGAGATGTTTGTAGTGGCT	1500
Qy	1501	CTTGTATACCAAGCTCGAGAGAGCTGGTGTGCCAGGACGCTTCCCGAGGTTGACG	1560
Db	1501	CTTGTATACCAAGCTCGAGAGAGCTGGTGTGCCAGGACGCTTCCCGAGGTTGACG	1560
Qy	1561	ACAAGATCTGCAAGGCCCGCAGGACCTGAGCTGGAGCCGCTTGGAGACAGACAGCTG	1620
Db	1561	ACAAGATCTGCAAGGCCCGCAGGACCTGAGCTGGAGCCGCTTGGAGACAGACAGCTG	1620
Qy	1621	TGAGTGTGTCAGGATCTTCTCTTCACTCAAGCTTGGCTGTCTTCTAGATCCACATTTTC	1680
Db	1621	TGAGTGTGTCAGGATCTTCTCTTCACTCAAGCTTGGCTGTCTTCTAGATCCACATTTTC	1680
Qy	1681	AAAGAGAAACCCCTCCAGAACTCCCACTTGCAGACGCCCAACACCATCTTCTCTGGCTT	1740
Db	1681	AAAGAGAAACCCCTCCAGAACTCCCACTTGCAGACGCCCAACACCATCTTCTCTGGCTT	1740
Qy	1741	CCAGGGGCGAGCCAGTGGAAATGTTGGATTTGGAGTCAGACAGCCCTGAGT	1800
Db	1741	CCAGGGGCGAGCCAGTGGAAATGTTGGATTTGGAGTCAGACAGCCCTGAGT	1800
Qy	1801	CCAGTTCCTCCGTTTGTAGAACTCATTTAGCTGTGACTCTGGGTGAGTCCCTTACCCCTCT	1860
Db	1801	CCAGTTCCTCCGTTTGTAGAACTCATTTAGCTGTGACTCTGGGTGAGTCCCTTACCCCTCT	1860
Qy	1861	GAGCCCGGCTCTTCTATAGTTTGAAGGATAGTAATACCTACTTTCGAGGTTGTTGTCA	1920
Db	1861	GAGCCCGGCTCTTCTATAGTTTGAAGGATAGTAATACCTACTTTCGAGGTTGTTGTCA	1920

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Db 3901 CTTGAGTTCTTGGCTGCGATGAAGTCTTCTTGGAAATCAGAAATGTGAGCAGTTCTTT 3960
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RESULT 5
US-10-172-118-355
; Sequence 355, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
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; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene

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; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients  
; FILE REFERENCE: 9301-175-999  
; CURRENT APPLICATION NUMBER: US/10/172,118  
; CURRENT FILING DATE: 2002-06-14  
; PRIOR APPLICATION NUMBER: 60/380,770  
; PRIOR FILING DATE: 2002-05-14  
; NUMBER OF SEQ ID NOS: 2699  
; SEQ ID NO 355  
; LENGTH: 4187  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; PUBLICATION INFORMATION:  
; DATABASE ACCESSION NUMBER: D13643  
; DATABASE ENTRY DATE: 2001-06-18  
US-10-172-118-355  
  
Query Match 100.0%; Score 4187; DB 17; Length 4187;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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Db 481 CCATTGGCTGGACTCTCCCGCTGTTGCTGAGCTTGTGATGACCTCAGTGGGGGCTTGA 540  
  
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Db 661 CAGACCTGTTCTATGCGGTACCTGTCTGTGGAGCGTGGGTTCCTGTTGGCGGCTG 720  
  
Qy 721 AGATCCGCATCATCCCTGCGCAAGATGACGTCAAGCTGCGTTTCGAGCCAGTCCGGGCC 780  
Db 721 AGATCCGCATCATCCCTGCGCAAGATGACGTCAAGCTGCGTTTCGAGCCAGTCCGGGCC 780  
  
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QY	1141	TGACCCAGGGTGAGACCCCTGCGAAGCTGTACGAGCAGCACCAAGTGGTGCAGGACATGC	1200	QY	2221	CTCCCTGCCATCCTTGGTGCCGCTCTTGCCCTCTTCTCATGCTCCCTGGCCCTGCAGGCC	2280
DB	1141		1200	DB	2221		2280
QY	1201	TGACCCAGGGTGAGACCCCTGCGAAGCTGTACGAGCAGCACCAAGTGGTGCAGGACATGC	1260	QY	2281	CACCCAGGCCACACCTGAGTCCACTCGGAGTCCCTGTGTCTCGGAGAGGCAATTCAG	2340
DB	1201		1260	DB	2281		2340
QY	1261	ACCCCATCTGGCTGTGTCCGTTCTATCTGCCAGCAGCCCTGACACCTTTCCAAAACGACATCCACGTCT	1320	QY	2341	GGTTGAATCTTGTCCAGCCTCAGCCTGGGACACCTAGGTGGAGAGAGTGGTCTCCGCTC	2400
DB	1261		1320	DB	2341		2400
QY	1321	GAATGAGGCAGAGCTCTACATCGACATTTGAGCATATGGGAGCCGCGGTGGAACACT	1380	QY	2401	TGAATTTGGATCCAGGGAGCCTGGGCTCATTTCTTTGGCTCACCAACCTTCGAGGCCCTCA	2460
DB	1321		1380	DB	2401		2460
QY	1381	TTGAAGCCAGGTCCTGCATGAGGCAGCTGGAGAAATTTGTCCGAGCGTGATGGCTTCC	1440	QY	2461	TCCTTCCCAAAACCCCACTTTGTCTTGGTGGAGTGGGTCCGCTGCTCTGCAGCAGGGG	2520
DB	1381		1440	DB	2461		2520
QY	1441	AGATGCTGTATGGGACTGCTACATGAACCGGAGAGATTTCTGGAGATGTTTGTATGGCT	1500	QY	2521	CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGGATT	2580
DB	1441		1500	DB	2521		2580
QY	1501	CCTTTGTACCAACAGCTGCGAGAGAAGCTGGGTTGCCAGAGCGCTTCCCGAGGTGTACG	1560	QY	2581	CTCACGCTGGGCTGGAAGAAAAGAGCATCGACTTGAATTTCTCCAACTCATCCCTCT	2640
DB	1501		1560	DB	2581		2640
QY	1561	ACAAGATCTGCAAGCGCCGAGGACCTGAGCTGGAGCCCGCTCGAGAGACAGACAGCTG	1620	QY	2641	TTTTCTTTTCCACCACTCCCACTCCCACTCCCACTCCCACTCCCACTCCCACTCCCA	2700
DB	1561		1620	DB	2641		2700
QY	1621	TGAGTGGTCAAGGATCTTCCCTTCACTCAAGCTTGGCTGCTTCTTAGATCCACATTTT	1680	QY	2701	TAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGAAAGGAAAGGAAAGGAAAGGAA	2760
DB	1621		1680	DB	2701		2760
QY	1681	AAAGAGAAACCCCTCAGAACTCCCACTCGACGCCCAACACACACCTTCCCTGGCTT	1740	QY	2761	CTGGCTTGTATTAACCAAGCTTGGTTGTTATGCAACTCTATCTTAAAGAACTGCCAG	2820
DB	1681		1740	DB	2761		2820
QY	1741	CCAGGGGAGCCAGTGGAAATGGAAGAAATGTGGATTTGGAGTCAGACAAGCCCTGAGT	1800	QY	2821	CCTCAGCTGAAACCCGAAATCTGAGAAAGAAATTTGCGTCTGATTAAGGAACTGGAATTA	2880
DB	1741		1800	DB	2821		2880
QY	1801	CCAGTTCCCGTTTGAACATCTAGCTGTGATCTCTGGGTGAGTCCCTTAAACCCCTCT	1860	QY	2881	GGGAGCTGAGCCAGTCAATGGTTGGCGTGTGAGTCAGAGACCTAGGTTTCAGCCCTC	2940
DB	1801		1860	DB	2881		2940
QY	1861	GAGCCGGGTCTCTTCAATAGTTGAAGGGATAGTAATACCTACTTGCAGGTTGTTGTCA	1920	QY	2941	TCTACTGTGAGCGAGCTGTGCAACGTGGGCAAGTCTATTTCTCTGAGCTGCAAGTTTCT	3000
DB	1861		1920	DB	2941		3000
QY	1921	TCTGAGTTGAGCACTGGTCACTTGAAGGTGCTGGGTAAGTGGTAGCTCTTGTGCTTCC	1980	QY	3001	CATCTCTCATCATCGCTACAGACAAGACCTCCCTCGAAACCTCTCTGATTTGTTAGACACT	3060
DB	1921		1980	DB	3001		3060
QY	1981	CGTTTCAGCGTCACTCTGAGTGGAGCTGAAAGGCTCCATTAAGTCACTCTGTGCAC	2040	QY	3061	GTGGTTCGAAAACCCAGGAAAGCCTCATTTGTGTGGAAGTCAAGGAAAAATGATCCA	3120
DB	1981		2040	DB	3061		3120
QY	2041	AGCCATGGCTGGAATGATGAAGGGATAGCTGGAGTTGGCTTGCCTGCCATCGCCTCCATCAG	2100	QY	3121	GTGGACACTTTGGGATTTATCTGTCTTCAAGTCTTCTTCAACCCCAAGGCCAGCTCC	3180
DB	2041		2100	DB	3121		3180
QY	2101	CCAGACGAGTCTCAGAGGAGGACAGCTCTTCCCAACCTGGGATCTCAGGAGGGC	2160	QY	3181	CATCTCATTTCCAGAAAGGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTTGTCTATTC	3240
DB	2101		2160	DB	3181		3240
QY	2161	AGCCAAGGAGTGGGAGGCCCAAGATGCGCTGTGCCAAAGCCAGGTCGAGGCCAAGTT	2220	QY	3241	AGGTGCCAGAACTCTCTCAGAGTCATTAAGGGTGTTCACCACTCCCAAGGCTTGG	3300
DB	2161		2220	DB	3241		3300
				QY	3301	CACACTGCCAGTGTCTTAGCAGGGTCTTGTGAGGGGCTGGGGGCAATCCAGGCACTCAGAAG	3360

QY	1441	AGATGCTGTATGCCGACTGCTACATGAACCGGAGGAGTTCTGGGAGATGTTTGTAGGCT	1500	2521	CTGGGAGTGGACAGCATCAGGTGGGAAAGTGAGTCCACCTCATGTTTCTGTAGGATT	2580
DB	1441		1500	2521		2580
QY	1501	AGATGCTGTATGCCGACTGCTACATGAACCGGAGGAGTTCTGGGAGATGTTTGTAGGCT	1500	2581	CTGGGAGTGGACAGCATCAGGTGGGAAAGTGAGTCCACCTCATGTTTCTGTAGGATT	2580
DB	1501		1500	2581		2580
QY	1501	CTTTGTACCAACAGCTGCGAGAGAAGCTGGTTGCCAGGACGCTTCCCCGAGGTGTACG	1560	2581	CTCACCGTGGGCTGGAAAGAGCATCGACTTGAATTTCTCCAAACCACTCATCCCTCT	2640
DB	1501		1560	2581		2640
QY	1561	ACAAGATCTCGAAGGCCGACGACCTGAGCTGGAGCCGCTGGAGAGACACACAGTG	1620	2641	TTTTCTTTCTCCACCACTCCCACTCCAGCTGTAGTTAATTTTCAGTGCCTTACAATCC	2700
DB	1561		1620	2641		2700
QY	1621	ACAAGATCTCGAAGGCCGACGACCTGAGCTGGAGCCGCTGGAGAGACACACAGTG	1620	2641	TTTTCTTTCTCCACCACTCCCACTCCAGCTGTAGTTAATTTTCAGTGCCTTACAATCC	2700
DB	1621		1620	2641		2700
QY	1621	TGAGTGGTCAAGGCATCTTCCCTTCACTCAAGCTTGGCTGCTTTCCTAGATCCACACTTC	1680	2701	TAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGGAAGGGAACCTCCCTAGGTCTCTCC	2760
DB	1621		1680	2701		2760
QY	1681	TGAGTGGTCAAGGCATCTTCCCTTCACTCAAGCTTGGCTGCTTTCCTAGATCCACACTTC	1680	2701	TAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGGAAGGGAACCTCCCTAGGTCTCTCC	2760
DB	1681		1680	2701		2760
QY	1681	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCTCTGGCTT	1740	2761	CTGGCTTTGTTATAACCCAAAGCTTGGTTTATGCAACTCTATCTTAAGAACTGCCAG	2820
DB	1681		1740	2761		2820
QY	1741	CAAGGGGAGCCAGTGGAAATGGAAGATGTGGATTTGGAGTCAGACAGCCCTGAGT	1800	2821	CCTCAGCTGAAACCCGAAATCTGAGAAAGAAATTTGCGTCAATGTAAGGGAAGCTGGAATTA	2880
DB	1741		1800	2821		2880
QY	1801	CAAGTTCCCGTTTGAAGACTCATTTAGCTGTGACCTCTGGGTGAGTCCCTTAAACCCCTCT	1860	2881	GGGAGCTGAGCCAGTCAATGGTTGTGGCGTGTGAGTCAGGAGACCTAGGTTTTCAGCCCCCTC	2940
DB	1801		1860	2881		2940
QY	1801	CAAGTTCCCGTTTGAAGACTCATTTAGCTGTGACCTCTGGGTGAGTCCCTTAAACCCCTCT	1860	2881	GGGAGCTGAGCCAGTCAATGGTTGTGGCGTGTGAGTCAGGAGACCTAGGTTTTCAGCCCCCTC	2940
DB	1801		1860	2881		2940
QY	1861	GAGCCCGGGTCTCTTCAATTTGAAAGGATAGTAATACCTACTTTGCGAGTTGTTGTCA	1920	2941	TCTACTGTGAGGAGCTGTGCAACGTGGGCAAGTCAATTTGCTCTGAGCTGCGAGTTTCTCT	3000
DB	1861		1920	2941		3000
QY	1921	TCTGAGTTGAGCACTGCTGATGAAAGGCTCCACATTTAGGTCACCTGTGCTTCCATCAG	2040	3001	CATCTGTCATCGCTACAGCAAGACCTCCCTGGAAACCTTCTGATTTGCTTAGACACT	3060
DB	1921		2040	3001		3060
QY	1981	CGTTACAGCTCACAATCTGCAAGTGGAGCTGAAAGGCTCCACATTTAGGTCACCTGTGCTC	2040	3061	GTGTTTGGCAAAACCCACGAAAGCCCTCATTTGTGTGGAAGTCAGAGGAAAAATGATCCA	3120
DB	1981		2040	3061		3120
QY	2041	AGCCATGGCTGGAAATGATGAAAGGCTGAAAGGCTCCACATTTAGGTCACCTGTGCTC	2100	3121	GTGACACTTTGGGGATTATCTGTCAATTCAAGATCTTCTTCAACCCCAAGGCCAGCTCC	3180
DB	2041		2100	3121		3180
QY	2101	CGAGAGAGTCTCTCAGAGAGAAGCACTCTTCCCAACCTCGGATCTCAGAGAGGC	2160	3181	CATCTCATTTCCAGAAAGCTCATACCTGGCTTGCAGGAAAGCATCTGTCTTGTCTATTC	3240
DB	2101		2160	3181		3240
QY	2161	AGCCAGGAGTGGGAGGCCAGATCGCTGGAGTTGCCCTGCCATCGCCTCCATCAG	2220	3241	AGGTGCCAGAACTCTCTCAGAGTCAATTGAAGGTGTTCACCCCATCCCAAGGCTTGG	3300
DB	2161		2220	3241		3300
QY	2221	CTCCCTGCCATCCTTGGTGGCTCTGCTGCCCTTCTCTTCACTGCGCTGGGCTGCAAGGC	2280	3301	CACACTGCCAGTGTCTTAGCAGGGTCTTGTGAGGGCTGGGGCATCCAGGCACTCAGAAG	3360
DB	2221		2280	3301		3360
QY	2281	CACCCAGGCCACCACTGAGTCCACTCGGAGTGCCTGTGTTCTCGGAGAAGGCATTCAG	2340	3361	GCAAGGAAACCCCTTACCCATTTGGCCCTCTGGAGGGGCGAGAAAGAAAGAAACCTC	3420
DB	2281		2340	3361		3420
QY	2341	GGTTGAATCTTGTCCAGGCTCAGCTGGAGACCTAGGTGGAGAGAGTGGTCTCCGCTC	2400	3421	ATCCTATATTTTACAAGCATGTGAATTTCTGGCATTTAGTCTCATAGGAGACCATGTGC	3480
DB	2341		2400	3421		3480
QY	2401	TGAATTTGGATCCAGGGAGCTGGGCTCATTTCTTGGCTCACCAACCTTGCAAGGCTCA	2460	3481	TTCTCTTGTCTCAGTGCAGAACTGATGATTTCTACTTGTGTAGTGAATGGTTTAAACGAGC	3540
DB	2401		2460	3481		3540
QY	2461	TCCTTCCCAAAACCCACTTTTGTCTTGGTGGAGTGGGTCCGCGTCTGTGCAAGCGGG	2520	3541	TAGTTAAAACAGTGCCATTTGTTTGGCAGTGAAGCCCTCCAAACCTTAAGCCACTCGGAGCGT	3600
DB	2461		2520	3541		3600
QY	2461	TCCTTCCCAAAACCCACTTTTGTCTTGGTGGAGTGGGTCCGCGTCTGTGCAAGCGGG	2520	3601	GGCCAGAGATGCCAGCAGCTCTGTGCGCCTTAGTCTATATAACCAAAATCCAGACCTTAT	3660
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RESULT 2

US-09-880-107-1609
; Sequence 1609, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1609
; LENGTH: 4187
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 D13643
US-09-880-107-1609

Query Match 100.0%; Score 4187; DB 9; Length 4187;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB	61	CGGTGTGCGCGCTGCTTCTCTGCTGTGGGTGCGCGCTGGAAGGGGCTGGAGTTCTGCTCA	120
QY	121	TCCACGAGCGCTGGGTGCTGCTCTCTCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG	180
DB	121	TCCACGAGCGCTGGGTGCTGCTCTCTCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG	180
QY	181	TCTACTACTAGCTGCGCGCTGGGTGCTTCAAGCTCAGCAGCGCTCGCGCGCTGCGCGCTG	240
DB	181	TCTACTACTAGCTGCGCGCTGGGTGCTTCAAGCTCAGCAGCGCTCGCGCGCTGCGCGCTG	240
QY	241	AGCAGCGCGCTGCGGACATCCAGAAGCAGGTGCGGGAATGGAAGGAGCGAGGTAGCAAGA	300
DB	241	AGCAGCGCGCTGCGGACATCCAGAAGCAGGTGCGGGAATGGAAGGAGCGAGGTAGCAAGA	300
QY	301	CCTTCATGTCACGCGCGCGCTGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	360
DB	301	CCTTCATGTCACGCGCGCGCTGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	360
QY	361	AGAAGACACAAAAACATCATGATCAACCTGATGGAATCTCTGGAAGTGGACACCAAGA	420
DB	361	AGAAGACACAAAAACATCATGATCAACCTGATGGAATCTCTGGAAGTGGACACCAAGA	420
QY	421	AACAGATTGTCGTGTGGAGCCCTTGGTGACCAATGGGCCAGGTGACTGCGCTGCTGACCT	480
DB	421	AACAGATTGTCGTGTGGAGCCCTTGGTGACCAATGGGCCAGGTGACTGCGCTGCTGACCT	480
QY	481	CCATTGGCTGACTCTCCCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	540
DB	481	CCATTGGCTGACTCTCCCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	540
QY	541	TCATGGCAGGCGATCGAGTCAATCCACCAAGTACGCGCTGTTCCCAACACATCTGCA	600
DB	541	TCATGGCAGGCGATCGAGTCAATCCCAAGTACGCGCTGTTCCCAACACATCTGCA	600

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DB	601	CTGCTTACGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	660
QY	661	CAGACCTGTTCTATGCGGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	720
DB	661	CAGACCTGTTCTATGCGGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	720
QY	721	AGATCCGCTATCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	780
DB	721	AGATCCGCTATCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	780
QY	781	TGAGGCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	840
DB	781	TGAGGCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	840
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DB	841	AGGGCTGCTCTACTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	900
QY	901	CAGAGCCCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	960
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QY	961	TGAGGAACTATCTGAGCAAAACCGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1020
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QY	1021	ACCACGCCACACGCGCAGCATCTTCTGCGAGCTCCAGAGCATCATCCCTTTGGCAACA	1080
DB	1021	ACCACGCCACACGCGCAGCATCTTCTGCGAGCTCCAGAGCATCATCCCTTTGGCAACA	1080
QY	1081	ACCCTATCTTCCGCTACCTCTTTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1140
DB	1081	ACCCTATCTTCCGCTACCTCTTTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1140
QY	1141	TGACCCAGGCTGAGACCTTGGCGAAGCTGTACAGCAGACACACGCTGCTGCTGCTGCTGCTG	1200
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QY	1201	TGTCGCCATGAAGTCCCTGCGAGCGCTGCGACACCTTCCAAACGACATCCACCTGCT	1260
DB	1201	TGTCGCCATGAAGTCCCTGCGAGCGCTGCGACACCTTCCAAACGACATCCACCTGCTGCT	1260
QY	1261	ACCCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1320
DB	1261	ACCCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1320
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DB	1321	GAAATGAGCAGAGCTCTACATCGACATTTGGAGCATATGGGAGCGCGCTGCTGCTGCTGCTG	1380
QY	1381	TTGAGCCAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1440
DB	1381	TTGAGCCAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1440
QY	1441	AGATGCTGATCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1500
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QY	1501	CCTTGTACACAGCTGCGAGAGAGCTGGGTGCGAGAGCGCTTCCCGAGGTGCTGCTGCTGCTG	1560
DB	1501	CCTTGTACACAGCTGCGAGAGAGCTGGGTGCGAGAGCGCTTCCCGAGGTGCTGCTGCTGCTG	1560
QY	1561	ACAAGATCTGCAAGCGCGCAGGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	1620
DB	1561	ACAAGATCTGCAAGCGCGCAGGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	1620
QY	1621	TGAGTGGTCAAGCATCTTCCCTTCACTCAAGCTTGGCTGCTTCTTAGATCCACACTTTC	1680
DB	1621	TGAGTGGTCAAGCATCTTCCCTTCACTCAAGCTTGGCTGCTTCTTAGATCCACACTTTC	1680
QY	1681	AAGAGAAACCCCTCCAGAACTCCCACTGACAGCCCAACACCACTTCTCTCTGCTT	1740

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Db 2041 AGCCATCGCTGGGAATGATGAAGGGGATACGCTGGAGTTGCCCTGCCATCGCTCCATCAG 2100
Qy 2101 CCAGACGAGGTCTCTCACAGGAGAGGACAGCTCTTCCCAACCCCTGGGATCTCAGGAGGGC 2160
Db 2101 CCAGACGAGGTCTCTCACAGGAGAGGACAGCTCTTCCCAACCCCTGGGATCTCAGGAGGGC 2160
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 17, 2005, 17:23:27 ; Search time 2459.46 Seconds
(without alignments)
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Perfect score: 4187
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

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Minimum DB seq length: 0
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	4187	100.0	4187	9	US-09-980-107-1609 Sequence 1609, Ap
3	4187	100.0	4187	10	US-09-960-706-477 Sequence 477, App
4	4187	100.0	4187	10	US-09-873-319-290 Sequence 290, App
5	4187	100.0	4187	17	US-10-172-118-355 Sequence 355, App
6	4187	100.0	4187	18	US-10-240-425-1203 Sequence 1203, Ap
7	4187	100.0	4187	18	US-10-342-887-355 Sequence 355, App

ALIGNMENTS

RESULT 1

US-09-954-456-2112
; Sequence 2112, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Sets
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863

Sequence 5139, Ap
Sequence 53, Appl
Sequence 1950, Ap
Sequence 32, Appl
Sequence 1, Appl
Sequence 1259, Ap
Sequence 121, Appl
Sequence 3, Appl
Sequence 212, App
Sequence 1258, Ap
Sequence 387, App
Sequence 80, Appl
Sequence 99214, A
Sequence 99214, A
Sequence 1, Appl
Sequence 7185, Ap
Sequence 1256, Ap
Sequence 72, Appl
Sequence 71, Appl
Sequence 47711, A
Sequence 917, App
Sequence 41864, A
Sequence 41864, A
Sequence 34917, A
Sequence 33221, A
Sequence 34919, A
Sequence 815, App
Sequence 179, App
Sequence 133, App
Sequence 4489, App
Sequence 1255, Ap
Sequence 5, Appl
Sequence 15414, A
Sequence 19, Appl
Sequence 333, App
Sequence 16738, A
Sequence 620, App
Sequence 18582, A

; Sequence 2284, Application US/09513999C

; Patent No. 6783961

; GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, J.B.

; APPLICANT: Duclert, A.

; APPLICANT: Giordano, J.Y.

; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

; Patent No. 6783961

; FILE REFERENCE: 59.US2.REG

; CURRENT APPLICATION NUMBER: US/09/513,999C

; CURRENT FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/122,487

; PRIOR FILING DATE: 1999-02-26

; NUMBER OF SEQ ID NOS: 36681

; SOFTWARE: Patent.pm

; SEQ ID NO 2284

; LENGTH: 424

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 178..423

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: 126

; OTHER INFORMATION: k=g or t

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: 381

; OTHER INFORMATION: n=a, g, c or t

; US-09-513-999C-2284

Query Match

Best Local Similarity 3.7%; Score 156; DB 4; Length 424;

Mismatches 167; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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DB 424 CAGTGATGCTGCTGATTTTATTTCTTTTGGTCAATGGGGCCCAAGGAAAGGCA 366

QY 4078 TGAATCTTCCCTCAGGCTTTACAGCCACAGGCACTGTCTACTGTCTGGAAGACAT 4137

DB 365 TGAATCTTCCCTCAGGCTTTACAGCCACAGGCACTGTCTACTGTCTGGAAGACAT 306

QY 4138 GTCCCCGTGCTGCTGGGGCGCTCTCTCTTTTAAATAAAGTGGCTG 4186

DB 305 GTCCCCGTGCTGCTGGGGCGCTCTCTCTTTTAAATAAAGTGGCTG 257

RESULT 3

US-09-949-016-162720/c

; Sequence 162720, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 162720

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

; US-09-949-016-162720

Query Match

Best Local Similarity 1.3%; Score 55.8; DB 4; Length 601;

Mismatches 90; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

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QY 1826 GCTGTGTGACTCTGGGTGAGTCCCTTAACCCCTCTGAGCCCGGTCTCTTCATTAGTTGA 1885

DB 443 GCTGAGTTATGTAGGGAAGTCTCTTAAGCTATTGAGATCCAGTCTCTTCATCCGTAAA 384

QY 1886 AAGGGATAGTAATACCTACTTTCAGGT 1912

DB 383 TATACAAATAATAAGGCCTTCCAGGT 357

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US-09-949-016-11777/c

; Sequence 11777, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 11777

; LENGTH: 140925

; TYPE: DNA

; ORGANISM: Human

; US-09-949-016-11777

Query Match

Best Local Similarity 1.3%; Score 55.8; DB 4; Length 140925;

Mismatches 90; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 1766 AGAATGTGGGATTTGGAGTCAGACAGCCTGAGTCCAGTTCCTCCCGTTTAGAACTCATTA 1825

DB 81151 AAAACATAGATGTAGATCAGAGCCCTGGATTCTAGTTTGGGTCTTCCAGGCATTA 81092

QY 1826 GCTGTGTGACTCTGGGTGAGTCCCTTAACCCCTCTGAGCCCGGTCTCTTCATTAGTTGA 1885

DB 81091 GCTGAGTTATGTAGGGAAGTCTCTTAAGCTATTGAGATCCAGTCTCTTCATCCGTAAA 81032

QY 1886 AAGGGATAGTAATACCTACTTTCAGGT 1912

DB 81031 TATACAAATAATAAGGCCTTCCAGGT 81005

RESULT 5

US-09-949-016-16295/c

; Sequence 16295, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 17, 2005, 13:10:42 ; Search time 631.158 Seconds
(without alignments)
10854.792 Million cell updates/sec

Title: US-09-996-630A-10
Perfect score: 4187
Sequence: 1 ggcgcgaaccgcagcgtt.....tttaataaaagtgcctgg 4187

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*
1: /cgn2_6/ptodata/1/ina/5A COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	206.4	4.9	275	4	US-09-313-294A-6606
2	156	3.7	424	4	US-09-513-999C-2284
3	55.8	1.3	601	4	US-09-949-016-162720
4	55.8	1.3	140925	4	US-09-949-016-117770
5	55.8	1.3	140925	4	US-09-949-016-16295
6	55.4	1.3	601	4	US-09-949-016-162721
7	55.2	1.3	23193	4	US-09-949-016-17215
8	54.6	1.3	3489	2	US-08-728-323A-1
9	54.6	1.3	3489	3	US-09-298-568-1
10	54.6	1.3	3489	4	US-09-410-399-1
11	54.6	1.3	3489	4	US-09-894-273-1
12	54.6	1.3	32207	2	US-08-770-379-20
13	54.6	1.3	32207	3	US-08-757-669A-20
14	54.6	1.3	32207	3	US-09-230-371A-20
15	54.2	1.3	262	4	US-09-573-080A-99
16	54.2	1.3	92681	4	US-09-949-016-14772
17	53.8	1.3	29321	4	US-09-949-016-14257
18	53.8	1.3	29321	4	US-09-949-016-14258
19	53.8	1.3	55298	4	US-09-491-356C-1
20	53.6	1.3	66219	4	US-09-949-016-12038
21	53.6	1.3	66227	4	US-09-949-016-15303
22	52.8	1.3	256287	4	US-09-949-016-14608
23	52	1.2	601	4	US-09-949-016-67372
24	52	1.2	601	4	US-09-949-016-67442
25	52	1.2	601	4	US-09-949-016-67512
26	52	1.2	49931	4	US-09-949-016-13727
27	52	1.2	49931	4	US-09-949-016-13728

C	28	52	1.2	49931	4	US-09-949-016-13729	Sequence 13729, A
	29	51.6	1.2	66690	4	US-09-949-016-17103	Sequence 17103, A
	30	51.4	1.2	65300	4	US-09-949-016-16813	Sequence 16813, A
	31	51	1.2	4403765	3	US-09-103-840A-2	Sequence 2, Appli
	32	51	1.2	4411529	3	US-09-103-840A-1	Sequence 1, Appli
	33	50.8	1.2	92155	4	US-09-949-016-17484	Sequence 17484, A
	34	50.8	1.2	183112	4	US-09-949-016-14184	Sequence 14184, A
	35	50.6	1.2	2484	4	US-09-902-540-4038	Sequence 4038, Ap
	36	50.6	1.2	24986	4	US-09-902-540-1200	Sequence 1200, Ap
	37	50.4	1.2	30000	4	US-10-007-010-10	Sequence 10, Appl
	38	50.4	1.2	53562	4	US-09-949-016-16286	Sequence 16286, A
	39	50.4	1.2	144596	4	US-09-949-016-11749	Sequence 11749, A
	40	50.4	1.2	144596	4	US-09-949-016-13035	Sequence 13035, A
	41	50.2	1.2	64309	4	US-09-949-016-14581	Sequence 14581, A
	42	50	1.2	44477	4	US-09-949-016-16767	Sequence 16767, A
	43	50	1.2	110266	4	US-09-949-016-14913	Sequence 14913, A
	44	50	1.2	110266	4	US-09-949-016-14914	Sequence 14914, A
	45	50	1.2	110266	4	US-09-949-016-14915	Sequence 14915, A

ALIGNMENTS

RESULT 1

US-09-313-294A-6606
; Sequence 6606, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 6606
; LENGTH: 275
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700352091H1
US-09-313-294A-6606

Query Match		4.9%;	Score 206.4;	DB 4;	Length 275;
Best Local Similarity		86.6%;	Pred. No. 3.1e-46;		
Matches 239;		Conservative 0;	Mismatches 36;	Indels 1;	Gaps 1;
QY	1209	ATGAAGTGTCTGCAGCAGGCCCTGCACACCTTCCAAAACGACATCCACGCTACCCCATC	1268		
Db	1	ATGAATGTCTGTCTCAGGCCCTGCATACCTTCCAAATGACATCCACGCTACCCCATC	60		
QY	1269	TGGCTGTGTTCGTTTCATCTCTCCAGCCAGCCAGGCTAGTGACCCCAAGGAATGAG	1328		
Db	61	TGGCTGTGTTCGTTTCATCTCTCCAGCCAGCCAGGCTAGTGACCCCAAGGAGATGAG	120		
QY	1329	CGAGAGCTTACATGACATTTGGAGCATATGGGAGCCCGTGTGAAACACITTTGAAGCC	1388		
Db	121	GCTGAATCTACGTGTGACATCGGGGCATATGGGGAGCCACGGTGAAGCACTTCGAGGCC	180		
QY	1389	AGSTCTCTGATGAGGCGAGTGTGTCGCGAGGCTGTCATGCTTCCAGATGCTG	1448		
Db	181	AGSTCTCTGATGAGGCGAGTGTGTCGCGAGGCTGTCATGCTTCCAGATGCTG	239		
QY	1449	TATGCCGATGCTTACATGAACCGGGAGGAGTTCTGG	1484		
Db	240	TACGCCGATGCTTACATGAACCGGGAGGAGTTCTGG	275		

RESULT 2

US-09-513-999C-2284/c